APPENDIX B

Automotive Coating Materials Safety Data Sheet

10/5/162

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LEMANS BLUE METALLIC

HMIS CODES: H F R P

PRODUCT CODE: 333L039

2306

MANUFACTURER'S NAME:

VALSPAR REFINISH

ADDRESS:

210 CROSBY STREET, PICAYUNE, MS 39466

EMERGENCY PHONE :

(800)228-5635 Ext. 47 INFORMATION PHONE: (601) 798-4731

DATE OF PRINTING: 01/25/00

NAME OF PREPARER: TIM HERRINGTON

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =========

HAZARDOUS COMPONENTS	CAS NUMBER		ONAL EXPOSURE LIMITS ASSIMITED DIMER	VAPOR PRES		
Polyester resin D	HA	None	None	R/A		-N/A-
ALMYD RESIN C	NA	None	None	N/A		-N/A-
Copper phthalocyanine blue A	147-14-8	15 mg/s3	10 mg/m3	N/A		-K/A-
Cellulose acetate butyrate	9004-36-8	none	none	N/A		-N/A-
Aldehyde resid A	NA	поле	none	N/A		-N/A-
Ethyl acetate	141-78-6	400 PPM	400 PPM	75.0	685	-N/A-
N-butyl acetate	123-86-4	150 PPM	150 FPM	8.4	68F	-N/A-
Acetone. C	67-64-1 ?	1000 PPM	750 PPM	184.0	58F	-N/A-
VM&P naghtha	6 4742-89-8	300 PPM	300 PPM	5.2	687	-K/#-
*Ethylbenzene	100-41-4	100 PPM	100 PPM	8.5	685	3.81
*Toluene 1651	108-88-3/	200 PPM	100 PPM	36.7	5BF	14
*Xylene	1330-20-7	100 pps	100 ppm	25.0	77F	18

^{*} Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

======== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ===========

BOILING RANGE: 133 to 392 Deg F VAPOR DENSITY: HEAVIER THAN AIR

SPECIFIC GRAVITY (H20-1) 0.8592

COATING V.O.C.: 5.08 LB/GL (608 G/L) MAT. V.O.C.: 4.84 LB/GL (581 G/L)

EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: NEGLIGIBLE

APPEARANCE AND ODOR: OFAQUE VISCOUS LIQUID WITH ORGANIC SOLVENT ODOR

FLACH POINT:

4 Deg F

METHOD USED: T.C.C.

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.9% UPPER: 13.0%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPEC: AL FIREFIGHTING PROCEDURES

Firefighters should wear self-contained breathing apparatus. Although water may be ineffective, a water fog may be used to cool closed containers that are exposed to heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Pressure may build up in closed containers that are exposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and flash back.

STABILITY: STABLE CONDITIONS TO AVOID None known.

INCOMPATABILITY (MATERIALS TO AVOID) Strone exidizing agents.

HAZARDOUS DECOMPOSITION OR EYPRODUCTS
BY FIRE: Normal products of incomplete combustion

HAZARDOUS FOLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Dizziness, headache, neusea, snortness of breath, solvent taste in the couth, narcosis, eupnoria, or unconstitueness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE Burning sensation with reddening of the eyes, irritation, rash or burning sensation or the skin.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE Prolonged or repeated unprotected skin contact may cause defatting, drying of the skin or cermetitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE 62strointestinal distress and symptoms of systemic poisoning

HEALTH HAZARDS (ACUTE AND CHRONIC)
ACUTE--Shortness of breath, burning sensation of respiratory passages, nausea, headsthe and increased proneness to accident. CHRONIC--Narcosis, kidney and liver disfunction with possible central nervous system effects.

CARCINOGENICITY: NTP? Yes IARC MONOGRAPHS? No OSHA REGULATED? No Chark in Section II - HAZARDOUS INGREDIENTS above for the presence of either LEAD CHROMATS or LEAD MOLYBDATE in this product. If these materials are absent, then none of the components of this formulation are listed carcinogens. CALIFORNIA PROPOSITION SO WARNING STATEMENT: Check in Section II - Hazardous Ingredients above for the characters [65] in the name of a hazardous component. If these characters are present then this component is known to the state of California to be a carcinogen, teratogen or reproductive toxin. However, it is not possible to be certain that a particular chemical on the Proposition 65 list is not present in some very small but detectable amount.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Respiratory difficulty or pre-existing skin sensitization.

EMERGENCY AND FIRST AID PROCEDURES

FOR EYES--Flush with plenty of clean flowing water for at least 15 minutes and get medical attention. FOR SKIN--Wash affected areas with plenty of warm scapy water. Launder contaminated clothing and shoes before reuse. IF AFFECTED BY INHALATION OF VAPORS--Recove to fresh air. Give oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped. IF SWALLOWED--Call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

333L039 MATERIAL SAFETY DATA SHEET PAGE 3 OF 3

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Provide adequate ventilation. Recove all possible ignition sources. Absorb with inert absorbent and dispose in accordance with local regulations for ignitable hazardous waste.

WASTE DISPOSAL METHOD

Dispose in accordance with local regulations for ignitable hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store in a cool dry place. Dutside or detached storage is preferrable. Inside should be in a standard flagmable liquid storage room or cabinet. Ground containers when transferring liquid from one metal container to another. Do not reuse empty product container for any purpose.

OTHER PRECAUTIONS

If a second component is added to this product, or if any additives or thinners are introduced into this product, read all product labels and all Material Safety Data Sheets prior to use.

RESPIRATORY PROTECTION

Combination vapor-particulate respirator for use in solvent-containing environments is recommended if ventilation is inadequate.

VENTILATION

Local ventilation should be sufficient to reduce airborne vapor concentrations to below LEL and TLV to be considered adequate.

PROTECTIVE GLOVES

Recommenced where skin contact is likely. Use solvent resistant gloves such as nitrile rubber.

EYE PROTECTION

Chemical splash goggles are recommended if potential for splashing into the eyes is high.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Solvent resistant clothing is recommended as needed to avoid skin contact.

WORK/HYGIENIC PRACTICES

Wash mands thoroughly after handling product and before smoking or eating.

DISCLAIMER

The recommendations provided herein are based on information believed to be accurate. None of the information stated is to be construed as an express warranty. This product is intented for industry use only and should only be used by professionals who have carefully evaluated this product.

PRODUCT NAME: DIAMOND BLUE METALLIC

PRODUCT CODE: 503L381

> HMIS CODES: H F R F

MANUFACTURER'S NAME: VALSPAR REFINISH

210 CROSBY STREET, PICAYUNE, MS 39466 ADDRESS:

EMERGENCY PHONE : (800)228-5635 Ext. 47 INFORMATION PHONE: (601) 798-4731

DATE REVISED : 02/01/95
DATE OF PRINTING: 01/25/00 CONTACT NAME : TIM HERRINGTON

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

OCCUPATIONAL EXPOSURE LIMITS VAPOR PRESSURE WEIGHT HAZARDOUS COMPONENTS CAS NUMBER OSHA PEL ACGIH TLV OTHER DE HE & TEMP PERCENT Dipropylene glycol monomethyl ether/dpm / 34590-94-8 100 PPM 100 PPM 150 STEL V 0.6 77F -N/A-

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

BOILING RANGE: 212 F INITIAL Deg F SPECIFIC GRAVITY (420=1) 1.1

VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER COATING V.C.C.: 1.89 LB/GL (226 8/L) MAT. V.D.C.: 0.36 LB/GL (42 G/L)

SOLUBILITY IN WATER: NEGLIGIBLE

APPEARANCE AND ODOR: OPAQUE VISCOUS LIQUID WITH SLIGHT AMINE ODOR

FLASH POINT: OVER 200 F METHOD USED: CLOSED CUP FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRSTIGHTING PROCEDURES Firefichters should wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Pressure may build up in closed containers that are exposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and flash back.

STABILITY: STABLE CONDITIONS TO AVOID

Wore known.

INCOMPATABILITY (MATERIALS TO AVOID) Strong exidizing agents.

HAIARDOUS DECOMPOSITION OR BYPRODUCTS
BY FIRE: Morsel products of incomplete combustion.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION: HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Dizziness, headachs, nauses, shortness of breath, solvent taste in the mouth, narcosis, euphoria, or unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE Burning sensation with reddening of the eyes, irritation, rash or burning sensation on the skin.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE Prolonged or repeated unprotected skin contact may cause defatting, drying of the skin or dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE Sastrointestinal distress and symptoms of systemic poisoning.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE--Shortness of breath, burning sensation of respiratory passages, nausea, headache and increased proneness to accident. CHRONIC--Narcosis, kidney and liver disfunction with possible central nervous system effects.

CARCINOGENICITY: NTF? No IARC MONOGRAPHS? No OSHA REGULATED? No CALIFORNIA PROFESSITION 65 WARKING STATEMENT: Check in Section II of this MSDS for hazardous ingredients whose name contains the characters [65]. These ingredients are listed or have trace components that are listed on California Prop 65 lists.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXFORURE Respiratory difficulty or pre-existing skin sensitization.

EMERGENCY AND FIRST AID PROCEDURES

FOR EYES--Flush with planty of clean flowing water for at least 15 minutes and get medical attention. FOR SKIN--Wash affected areas with planty of warm soapy water. Launder contaminated clothing and shoes before reuse. IF AFFECTED BY INHALATION OF VAFORS--Remove to fresh air. Sive oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped. IF SWALLOWED--Call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Provide adequate ventilation. Absorb with an inert absorbant and dispose in accordance with local regulations for non-hazardous meterials.

WASTE DISPOSAL METHOD

No special disposal method is required. Normal product waste may be sewered to a public-owned treatment work in compliance with federal, state and local pretreatment requirements.

FRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store in a cool dry place outside the reach of children. Do not reuse expty product container for any purpose.

OTHER PRECAUTIONS

If a second component is added to this product, or if any additives or thinners are introduced into this product, read all product labels and all Material Safety Data Sheets prior to use.

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MATERIAL SAFETY DATA SHEET

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RESPIRATORY PROTECTION

Combination vapor-particulate respirator for use in solvent-containing environments is recommended if ventilation is inadequate.

VENTILATION

Local ventilation should be sufficient to reduce airborne vapor concentrations to below LEL and TLV to be considered adsquate.

PROTECTIVE GLOVES

Recommended where skin contact is likely.

EVE PROTECTION

Chemical splash goggles are recommended if potential for splashing into the eyes is high.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Recommended as needed to avoid skin contact.

WORK/HYGIENIC PRACTICES

Wash hands theroughly after hendling product and before smoking or eating.

DISCLAIMER

The recommendations provided herein are based on information believed to be accurate. None of the information stated is to be construed as an express warranty. This product is intented for industry use only and should only be used by professionals who have carefully evaluated this product.

2.1 VOC ACTIVATOR FOR AC-2135

PRODUCT NAME: 2.1 VOC ACTIVATOR FOR AC-2135

PRODUCT CODE: 44-0.

HMIS CODES: H F R P

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2#2 i K

ADDRESS

MANUFACTURER'S NAME: VALSPAR REFINISH : 210 CROSBY ST.

PICAYLNE, MS 39456

MED1CAL EMERGENCY: 888-345-5732

DATE PRINTED : 01/25/00

TRANSPORTATION EMERGENCY: 888-748-5558 NAME OF PREPARER: Tim Herrington

PRODUCT INFORMATION : 800-845-2500

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =======

REFURTABLE COMPONENTS	CAS NUMBER	DE HG @ TEMP	WEISHT PERCENT	
Homopolymer of HII ACETH TLV: Not established 2584 PEL: Not established Ithe:: 0.50 mg/m3 TWA: 1.00 mg/m3 STEL	25162-61-2	Unknowr		_
FORTH CHARACHLORDSENCITRIFLYDRIDEN SSHA PEL: NOT ESTS, ACSIM TLV: NOT ESTS, OTHER: 25 ppm Shr	98 - 58-8	5.3 69		
Hexamethylene dissosyanate (HBI) ACBIM TLV: 0.005 pps TWA BBHA FEL: Not established Ether: 0.02 cg/oS C	822-08-0	bakaswa		

*** NO PEROPIASIE GRANTITIES OF HALARDOUR INSCENIENTS ARE PRESENT ***

******** SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ********

BOILING RANGE: 282 dea F VAPOR DENSITY: Heavier than air COATING V.O.C.: 0.00 15/gl

SPECIFIC GRAVITY (H20=1): 1.24 EVAPORATION RATE: Slower than ether MATERIAL V.O.C.: 0.00 15/c)

SOLUBILITY IN WATER: Magligible

AFPEARANCE AND ODOR: Opaque and/or translucent viscous liquid with organic molvent bior.

FLASH POINT: 108 deg F FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .9

METHOD USED: TAGGO

UPPER: 10.5

EXTINGUISHING MEDIA: Foam, alcohol foam, CO2, dry chemical.

SPECIAL FIREFIGHTING PROCEDURES

full emergency equipment with self-contained breathing apparatus and full protective cicthing should be worn by fire fighters. During a fire, isocyanate . Repore and other arrabating or highly toxic gases may be gunerated.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Pressure may build up in closed containers that are exposed to heat. Solvent vapors are rester than air and may travel a considerable distance along the ground to an ignition source and flash back.

2.1 VOC ACTIVATOR FOR AC-2135

STABILITY: Stable CONDITIONS TO AVOID

None known

INCOMPATIBILITY (MATERIALS TO AVOID)

Water, amines, strong bases, alcohols, metal compounds.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

BY HEAT & FIRE: Carbon dioxide, carbon monoxide, oxides of nitrogen, and traces of HCN and iscopanates monomer.

HAZARDOUS POLYMERIZATION: A polymerization may occur above 400F or if exposed to moisture or other materials that react with isocyanates.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Exposures above suggested limits can irritate mucous membranes in the respiratory tract causing runny mose, coughing, or shortness of breath. Certain individuals will react with asthma-like symptoms at very low exposures.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Parning sensation with reddening of the eyes, irritation, rash, or burning sensation in the skin in unprotected areas.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonger or repeated unprotected skin contact may cause defatting, drying of the skin, or dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Sastrointestinal distress with sysmtoms of systemic poisoning.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ADUTE: Shortheed of breath, burning sensation of respiratory passages, nausea, headache and increased proneness to accident. An allergic respiratory reaction similar to an asthma attack can occur in some individuals with prolonged or repeated previous exposure or a large single exposure to isocyanate. Chronic: Narcuels, 'lidney and liver dysfunction with possible central naryous system effects.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No CALIFORNIA FROFOSITION 65 STATEMENT: Check Section II of this MSDS for hazardous ingredients whose name contains the characters [85]. These ingredients are listed or have trace components that are listed on California Propisition 65 lists.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Respiratory difficulty or pre-existing skin sensitization, or previous acute blooming is respiratory reaction to isocyanates.

EMERGENCY AND FIRST AID PROCEDURES

FOR EYES: Flush with plenty of clean flowing water for at least 15 minutes and get medical attention. FOR SKIN: Wash affected areas with plenty of warm soapy water. Launder contaminated clothing and shoes before rause. IF AFFECTED by INHALATION OF VAPORS: Remove to fresh air. Sive oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped. IF SWALLOWED: Call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

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2.1 VOC ACTIVATOR FOR AC-2135

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======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Frovide adequate ventilation. Remove all possible ignition sources. Absorb with inert absorbant and dispose in accordance with local regulations for ignitable hazardous waste.

WASTE DISPOSAL METHOD

Dispose in accordance with local regulations for ignitable hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool dry place. Outside or detached storage is preferrable. Inside storage should be in a standard flammable liquid storage room or cabinet. Ground containers when transferring liquid from one metal container to another. Do not reuse empty product container for any purpose.

OTHER PRECAUTIONS

If this product is combined with another component, or if additives or thismers are introduced into this product; read all product labels and all Material Cafeey Data Sheets prior to use.

RESPIRATORY PROTECTION

Exhaust ver flation sufficient to keep airborne concentration of solvent, HDI and polylsphyanote below TLV's must be utilized. A respirator that is recommended for use in isotyanate-containing environments may also be necessary. When concentrations are not known, or work is in a confined space, the use of a positive air pressure respirator is mandatory.

VENTILATION

Lital ventilation and id to be sufficient to reduce airborne vapor concentrations to Loly. LEL and TLV to be concidered adequate.

PROTECTIVE GLOVES

Recommended where shin contact is likely. Use solvent recistant gloves such as nitrite rubber.

EYE PROTECTION

Chemical aplash goggles are highly recommended, particularly when potential for aplashing into the eyes is high.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Solvent resistant clothing is recommended as needed to avoid skin contact.

WORK/HYGIENIC PRACTICES

Wash hands thoroughly after handling product and before smoking or esting.

The recommendations provided herein are based on information believed to be accurate. None of the information stated is to be construed as any express warranty. This product is intended for industry for only and should only be used by professionals who have carefully evaluated this product.

2.1 VOC PREMIUM CLEARCOAT

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PRODUCT NAME: 2.1 VOC PREMIUM CLEARCOAT

PRODUCT CODE: 40-2135

HMIS CODES: H F R P

2306

MANUFACTURER'S NAME: VALSPAR REFINIER ADDRESS : 210 CROSBY ST.

PICAYUNE, MS 39466

MEDICAL EMERGENCY: 888-845-5782

DATE PRINTED : 01/25/00

TRANSPORTATION EMERGENCY: 888-748-5558

NAME OF PREPARER : Tim Herrington

PRODUCT INFORMATION : 800-845-2500

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAE NUMBER		RESSURE 6 TEMF	NEIGHT PERCENT	
Adrylic resin D ADS2H TLV: Adde OSHA PEL: None	Proprietary	D WIN WAY COLD Mile study can			
Mathyl n-amyl ketone (MAK) ACBIF TLV: 50 pps DBHA PEL: Not established	i10-43-0	2.14	69		
Acrylic resin E ACRIH TLV: None DBMA PEL: None	Proprietary				
POBIF (PARACHLERESENISTRIFLHERIDE) SSMA FEL: NOT ESTB, AGEIH TLV: NOT ESTB, GTHER: 25 ppm Shr	98-55-5	5.3	58		
2-butoxyethyl acetate/EB acetate DSMA PEL: not estb, ACGIF TLV: not estb, OTHER: 25 ppz TWA	00112-07-2	.29	68		
* Yylene (X,lol) ACEIM TLV: 100 ppc OBMA PEL: 100 ppm	1230-20-7	25	77	0.7	
# Ethyldenzene ACGIM 7LV/TWA: 100 pps, 125 pps STEL SSHA FEL/TWA: 100 pps, 125 pps STEL	100-41-4	8.5	6 9	0.2	

^{*} Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. * Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

========= SECTION 111 - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE: 277 deg F - 367 deg F SPECIFIC GRAVITY (H20=1): 1.07 VAPOR DENSITY: Heavier than air COATING V.O.C.: 2.76 1b/gl

EVAPORATION RATE: Slower than ether

MATERIAL V.O.C.: 2.51 15/q1

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Clear liquid with organic solvent odor.

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ============

FLASH POINT: 80

METHOD USED: TOO

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .88

UPPER: 10.5

EXTINGUISHING MEDIA: Foam, alcohol foam, CD2, dry chemical, or water fog.

SPECIAL FIREFIGHTING PROCEDURES

Firefighters should wear self-contained breathing apparatus. Although water may be insflective, a water fog may be used to cool closed containers that are

2.1 VOC PREMIUM CLEARCOAT

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exposed to heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Pressure may build up in closed containers that are exposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and flash back.

STABILITY: Stable CONDITIONS TO AVOID

None known

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

BY FIRE: Mormal products of incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Dizziness, headache, nausea, shortness of breath, solvent taste in the mouth, narcosis, euphoria, or unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Burning sensation with reddening of the eyes, irritation, rash, or burning sensation on the skin in unprotected areas.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged or repeated unprotected skin contact may cause defatting, drying of the skin, or dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Sestrointestinal distress with sysmioms of systemic poisoning.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Shortness of breath, burning sensation of respiratory passages, nausea, beadache and increased proneness to accident.

SHPONIC: Narcosis, kidney and liver disfunction with possible central nervous system effects.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: No OSHA REGULATED: No CALIFORNIA PROPOSITION 65 STATEMENT: Check Section II of this MSDS for hazardous ingredients whose name contains the characters [85]. These ingredients are listed or have trace components that are listed on California Propisition 65 lists.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Respiratory difficulty or pre-existing skin sensitization.

EMERGENCY AND FIRST AID PROCEDURES

FOR EYES: Flush with plenty of clean flowing water for at least 15 minutes and get medical attention. FOR SKIN: Wash affected areas with plenty of warm soapy water. Launder contaminated clothing and shoes before reuse. IF AFFECTED BY INHALATION OF VAPORS: Remove to fresh air. Give oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped. If

2.1 VOC PREMIUM CLEARCOAT

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SWALLOWED: Call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

======== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Provide adequate ventilation. Remove all possible ignition sources. Absorb with inert absorbant and dispose in accordance with local regulations for ignitable mazardous waste.

WASTE DISPOSAL METHOD

Dispose in accordance with local regulations for ignitable hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Ribre in a cool dry place. Outside or detached storage is preferrable. Inside storage should be in a standard flammable liquid storage room or cabinet. Ground containers when transferring liquid from one metal container to another. Do not reuse empty product container for any purpose.

OTHER PRECAUTIONS

lf a second component is added to this product, or if any additives or thinners are introduced into this product, read all product labels and all Material Bairty Data Sheets prior to use.

RESPIRATORY PROTECTION

Combination vapor-particulate respirator for use in solvent-containing environmets is recommended, if ventilation is inadequate. If over-exposure is possible, use Air Bupplied Respirator.

VENTILATION

Local ventilation should be sufficient to reduce airborns vapor concentrations to below LEL and TLV to be considered adequate.

PROTECTIVE GLOVES

Recommended where skin contact is likely. Use solvent resistant gloves such as nitrite rubber.

EYE PROTECTION

Chemical splash goggles are highly recommanded, particularly when potential for splashing into the eyes is high.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Bolvent resistant clothing is recommended as needed to avoid skin contact.

WORK/HYGIENIC PRACTICES

√ash hands thoroughly after handling product and before smoking or eating.

The recommendations provided herein are based on information believed to be accurate. None of the information stated is to be construed as any express warranty. This product is intended for industry use only and should only be used by professionals who have carefully evaluated this product.

BASECGAT STABILIZER FART

Page: 1

PRODUCT NAME: PASSCOAT STABILIZER FAST

PRODUCT CODE: 0000000000000000161

HMIS CODES: H F R P

2 2 0 S

MANUFACTURER'S NAME: VALSPAR REFINISH ADDRESS

: 210 CROSBY ST.

PICAYUNE. MS 39466

MEDICAL EMERGENCY: 888-345-3732

DATE PRINTED : 01/25/00

TRANSPORTATION EMERGENCY: 888-748-5588 NAME OF PREPARER: Tim Herrington

PRODUCT INFORMATION : 800-845-2500

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =========

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE g @ TEMP	WEIGHT PERCENT	
* %ylene (%ylol) ADRIH TLV: 100 pps 08H4 PEL: 100 pps	1830-00-7	25	77	20.5	
M-butyl acetate (normal butyl scetate) ACSIH TLV/TWA: 150 ppm, 200 ppm STEL GSHA FEL/TWA: 150 ppm, 200 ppm STEL	125-96-4	9.4	58		
WM&P maphona ACGIR TUW/TWA: SOC pgc SSHA PEL/TWA: SOC ppm	84742 -8 9 - 9	15	100 F		
2-PROPANDL (TEDPROPYL ALOGHOL) DEFA PEL: 400 PPM, ACRIH TLV: 400 PPM	£7-53-0 /	33	68	•	
ETHYL ACETATE (ETHYL ETHANCATE) SEHA FEL: 400 PRM, ACGIR TLU: 400 PRM	141-76-E				
# Ethylbensene ADSDR TLANTURE 100 ppm, 125 ppm STEL OBMR PELYTURE 100 ppm, 125 ppm STEL	100-41-4	8.5	28	4.5	
* Toluene (Toluci) 1881 ACRIM TLV: 51 ppc skin DSHA PEL: 100 ppc; 180 ppc STEL	105-68-3	22	58	0.5	

^{*} Indicates tunic chanical(a) subject to the reporting requirements of section 313 of Title III and of 40 OFR 872. * Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

BOILING RANGE: 171 deg F - 284 deg F SPECIFIC GRAVITY (H20=1): 0.84 VAPOR BENSITY: Heavier than air

EVAPORATION RATE: Slower than either

COATING V.O.C.: 6.82 15/g1

MATERIAL V.O.C.: 6.82 15/g1

SOLUBILITY IN WATER: Megligible

APPEARANCE AND ODOR: Clear liquid with organic solvent ofer.

FLASH PCINT: 30 dag F

METHOD USED: T.C.C.

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .9

UPPER: 10

EXTINGUISHING MEDIA: Foam, alcohol foco, CD2, dry chemical, or water fog.

SPECIAL FIREFIGHTING PROCEDURES

Tirefigaters should wear self-contained breathing apparatus. Although water may be ineffective, a water fog may be used to cool closed containare that are

Fage: 2

BASECOAT STABILIZER FAST

exposed to heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Pressure may build up in closed containers that are supposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and flash back.

STABILITY: Statle CONDITIONS TO AVOID

None known

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR EYPRODUCTS

BY FIRE: Nursal products of incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Dizzinusi, coercond, nausea, shorthers of breath, solvent table in the nouth, careevis, supri is, or unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Burning sensation with reddening of the eyes, irritation, rash, or burning sensation on the ekin in unprotected areas.

SKIN APSCRITION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Employed in Meyested unprotected skin contact may cause defailing, drying of the skin, in remartitie.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Gastrointesti at distress with sysmions of systemic polsoning.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Show these of breath, burning sensation of respiratory passages, nausea, beadache and increased proceess to accident.
CMRCMIC: Narcosis, kidney and liver disfunction with possible central nervous

system effects.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: No OSHA REGULATED: No CALIFORNIA PROPOSITION 65 STATEMENT: Check Section II of this MSDS for hazardous ingredients whose name contains the characters [85]. These ingredients are listed or have trace components that are listed on California Propisition 65 lists.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Respiratory difficulty or pre-existing skin sensitization.

EMERGENCY AND FIRST AID PROCEDURES

FOR EYES: Flush with plenty of clean flowing water for at least 15 minutes and get medical attention. FOR SKIN: book affected creas with plenty of warm spapy water. Launder contaminated clothing and shoes before reces. IF AFFECTED BY INHALATION OF VAPORS: Remove to fresh air. Give pxygen it breathing is distinguist. Administer artificial respiration if breathing has stopped. IF

BASECOAT STABILIZER FAST

Page: 3

BWALLOWED: Call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Provide adequate ventilation. Remove all possible ignition sources. Absorb with inert absorbant and dispose in accordance with local regulations for ignitable magardous waste.

WASTE DISPOSAL METHOD

Discose in accordance with local regulations for ignitable hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool dry place. Dutside or detached storage is preferrable. Inside storage should be in a standard flammable liquid storage room or cabinet. Ground containers when bransferring liquid from one metal container to another. Do not reuse empty product container for any purpose.

OTHER PRECAUTIONS

If a second component is added to this product, or if any additives or thinners are introduced into this product, read all product labels and all Material Tafoty Date Freeds prior to use.

RESPIRATORY PROTECTION

Combination vapor-particulate respirator for use in solvent-containing environment is recommended, if ventilation is inadequate. If over-exposure is coscible, use file applied Respirator.

VENTILATION

Local ventuation should be sufficient to reduce airborne vapor concentrations to below LEL and TLV to be considered adequate.

PROTECTIVE GLOVES

Recommended where skin contact is likely. Use solvent resistant gloves such as nitrite rubter.

EYE PROTECTION

Chemical splann goggles are highly recommended, particularly when potential for splanhing into the eyes is high.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Solvent resistant clothing is recommended as needed to avoid skin contact.

WORK/HYGIENIC PRACTICES

wash hands thoroughly after handling product and before smoking or eating.

The recommendations provided herein are based on information believed to be accurate. None of the information stated is to be construed as any express warranty. This product is intended for industry use only and should only be used by professionals who have carefully evaluated this product.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AQUAPRIMER SURFACER WHITE

PRODUCT CODE: 882

HMIS CODES: H F R P

2*1 0

SECTION I - MANUFACTURER IDENTIFICATION ==========

ADDRESS

MANUFACTURER'S NAME: PACIFIC COAST LACQUER : 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683 EMERGENCY PHONE (CHEMTREC): (800)424-9300 DATE PRINTED

INFORMATION PHONE

: 07/09/98

: (800)752-1566 NAME OF PREPARER: N/A

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE @TEMP (F)	WEIGHT PERCENT
TITANIUM DIOXIDE (as total nuisance dust) OSHA PEL: 10 ppm, ACGIH TLV: 10 mg/m3	13463-67-7	NA	NA	14
CALCIUM SILICATE OSHA PEL: NE, ACGIH TLV: NE	13983-17-0	NA	NA	4
* DIETHYLENE GLYCOL MONOMETHYL ETHER OSHA PEL: N/E, ACGIH TLV: N/E	111-77-3	.1	68	4
* 2-BUTOXYETHANOL, ETHYLENE GLYCOL BUTYL ETHER OSHA PEL: 50 ppm, ACGIH TLV: 25 ppm, OTHER: N/E	111-76-2	.78	68	3
BARIUM PHOSPHATE OSHA PEL: NE, ACGIH TLV: NE	10048-98-3	NA	NA	1
* BUTYL BENZYL PHTHALATE OSHA PEL: 5 mg/m3, ACGIH TLV: 5 mg/m3	85-68-7	.16	302	1

^{*} Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

======== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =========

BOILING RANGE (Deg F): 195 - 450 VAPOR DENSITY: HEAVIER THAN AIR COATING V.O.C.: 1.93 lb/ql

SPECIFIC GRAVITY (H2O=1): EVAPORATION RATE: SLOWER THAN ETHER

COATING V.O.C.:

MATERIAL V.O.C.:

 $0.75 \, lb/ql$

231 g/l SOLUBILITY IN WATER: Soluble MATERIAL V.O.C.:

 $90 \, a/1$

APPEARANCE AND ODOR: White liquid with mild odor

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==========

FLASH POINT(Deg F): >200

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: .26

UPPER: 10.6

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

Use approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Material will not sustain combustion unless water has evaporated. Fire-exposed containers should be cooled with water to prevent pressure build-up which could result in container rupture.

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Page:

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: Concentrated vapors maybe harmful. May cause headache, dizziness and nausea.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin and eye contact: May cause irritation to both.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption: May cause irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion: Maybe harmful if swallowed.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, nose, respiratory tract and skin irritation, headache, dizziness and nausea. Chronic: Prolonged and repeated exposure may cause injury to bone marrow, blood cells,

kidney, liver and testes.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. SPLASH (EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH (SKIN): WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. LARGE SPILLS MAY BE SCOOPED UP WITH NON-SPARKING TOOLS. SMALL SPILLS MAY BE PICKED UP WITH ABSORBENT MATERIALS.

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WASTE DISPOSAL METHOD

Place in tightly closed containers. Incinerate or dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from high temperatures, sparks and open flame. Keep containers tightly closed.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact with skin.

RESPIRATORY PROTECTION

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Where vapor does not exceed TLV limits, use NIOSH approved respirator.

VENTILATION

Adequate volume and pattern to keep air contaminant concentration below current applicable OSHA or ACGIH's TLV limits.

PROTECTIVE GLOVES

Chemical resistant gloves

EYE PROTECTION

Chemical goggles, safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye bath and safety shower

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

CALIFORNIA PROPOSITION 65

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Contains: Ethylene Glycol Monomethyl Ether (trace) and Ethylene Glycol Monoethyl Ether (trace).

This product contains a chemical known to the State of California to cause cancer. Contains: Crystalline Silica (trace).

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AQUAPRIMER SURFACER W/B GRAY

PRODUCT CODE: 883

HMIS CODES: H F R I

2*1 0

MANUFACTURER'S NAME: PACIFIC COAST LACQUER ADDRESS

: 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683 EMERGENCY PHONE (CHEMTREC): (800)424-9300 DATE PRINTED

: 03/31/98

INFORMATION PHONE : (800)752-1566 NAME OF PREPARER : N/A

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE ©TEMP (F)	Weight Percent
TITANIUM DIOXIDE (as total nuisance dust) OSHA PEL: 10 ppm, ACGIH TLV: 10 mg/m3	13463-67-7	NA	NA	8
* DIETHYLENE GLYCOL MONOMETHYL ETHER OSHA PEL: N/E, ACGIH TLV: N/E	111-77-3	.1	68	4
* 2-BUTOXYETHANOL, ETHYLENE GLYCOL BUTYL ETHER OSHA PEL: 50 ppm, ACGIH TLV: 25 ppm, OTHER: N/E	111-76-2	.78	68	3
* BUTYL BENZYL PHTHALATE OSHA PEL: 5 mg/m3, ACGIH TLV: 5 mg/m3	85-68-7	.16	302	1

^{*} Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

========= SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =========

BOILING RANGE (Deg F): 195 - 450 VAPOR DENSITY: HEAVIER THAN AIR SPECIFIC GRAVITY (H20=1): EVAPORATION RATE: SLOWER THAN ETHER

COATING V.O.C.: 2.02 lb/gl

MATERIAL V.O.C.: 0.76 lb/ql

COATING V.O.C.: 243 g/l

MATERIAL V.O.C.: $91 \, g/1$

SOLUBILITY IN WATER: Soluble

APPEARANCE AND ODOR: Gray liquid with mild odor

=========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Deg F): >200

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: .26

UPPER: 10.6

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

Use approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Material will not sustain combustion unless water has evaporated. Fire-exposed containers should be cooled with water to prevent pressure build-up which could result in container rupture.

. 883

Fage: 2

Page:

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: Concentrated vapors maybe harmful. May cause headache, dizziness and nausea.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin and eye contact: May cause irritation to both.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption: May cause irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion: Maybe harmful if swallowed.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, nose, respiratory tract and skin irritation, headache, dizziness and

nausea. Chronic: Prolonged and repeated exposure may cause injury to bone marrow, blood cells,

kidney, liver and testes.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. SPLASH (EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH (SKIN): WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION

IMMEDIATELY.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. LARGE SPILLS MAY BE SCOOPED UP WITH NON-SPARKING TOOLS. SMALL SPILLS MAY BE PICKED UP WITH ABSORBENT MATERIALS.

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WASTE DISPOSAL METHOD

Page: 3

Place in tightly closed containers. Incinerate or dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from high temperatures, sparks and open flame. Keep containers tightly closed.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact with skin.

RESPIRATORY PROTECTION

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Where vapor does not exceed TLV limits, use NIOSH approved respirator.

VENTILATION

Adequate volume and pattern to keep air contaminant concentration below current applicable OSHA or ACGIH's TLV limits.

PROTECTIVE GLOVES

Chemical resistant gloves

EYE PROTECTION

Chemical goggles, safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye bath and safety shower

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

CALIFORNIA PROPOSITION 65

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Contains: Ethylene Glycol Monomethyl Ether (trace) and Ethylene Glycol Monoethyl Ether (trace).

This product contains a chemical known to the State of California to cause cancer. Contains: Crystalline Silica (trace).

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

PRODUCT NAME: SPEEDPRIME GRAY PRIMER SURFACER--PT. A

HMIS CODES: H F R F

PRODUCT CODE: 911A

2*3 2

ADDRESS

MANUFACTURER'S NAME: PACIFIC COAST LACQUER

: 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683

EMERGENCY PHONE (CHEMTREC): (800)424-9300 DATE PRINTED INFORMATION PHONE

: 04/02/98

: (800)752-1566 NAME OF PREPARER: N/A

		-		
REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE @TEMP (F)	
ACETONE	67-64-1	185 5	6R	29
OSHA PEL: 1000 ppm, ACGIH TLV: 750 ppm	0. 01 1	100.0	00	43
* PARACHLOROBENZOTRIFLUORIDE	98-56-6	5.3	68	17
OSHA PEL: NE, ACGIH TLV: NE				
TITANIUM DIOXIDE (as total nuisance dust)	13463-67-7	NA	NA	4
OSHA PEL: 10 ppm, ACGIH TLV: 10 mg/m3				
* ISOPROPYL ALCOHOL, 2-PROPANOL	67-63-0	32	68	3
OSHA PEL: 400 ppm, ACGIH TLV: 400 ppm * XYLENE				
OSHA PEL: 100 ppm, ACGIH TLV: 100 ppm	1330-20-7	6.1	68	1
* METHYL PROPYL KETONE	105 05 0 :			
OSHA PEL: 200 ppm, ACGIH TLV: 200 ppm	107-87-9	28	68	1
DIBASIC ESTER(CAS #1119-40-0,627-93-0,106-65-0)	MIXTURE	. 2	68	
OSHA PEL: N/E, ACGIH TLV: N/E	MIXIORE	. 4	66	1
SOLVENT NAPTHA, HEAVY AROMATIC	64742-94-5	7.5	68	1
OSHA TWA: NE, ACGIH STEL: NE, SUPPLIER RECOMMEN	NDED TWA: 100	PPM		•
* DI (2-ETHYLHEXYL) PHTHALATE	117-81-7	0	68	1.18
OSHA PEL: 5 MG/M3, ACGIH TLV: 5 MG/M3				
METHYL AMYL KETONE , 2-HEPTANONE	110-43-0	2.14	68	1
ACGIH TLV: 50 ppm	•			

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

======== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =========

BOILING RANGE (Deg F): 133 - 723 VAPOR DENSITY: HEAVIER THAN AIR COATING V.O.C.: 2.34 lb/ql COATING V.O.C.: 281 g/l

SPECIFIC GRAVITY (H2O=1): EVAPORATION RATE: SLOWER THAN ETHER

MATERIAL V.O.C.: 0.98 lb/gl

MATERIAL V.O.C.: 117 q/l

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Gray liquid with mild odor

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ===========

FLASH POINT (Deg F): 1 METHOD USED: TOC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: .3 **UPPER: 12.8**

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES

'Use approved self-contained breathing apparatus. Do not use direct stream of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire-exposed containers should be cooled with water to prevent pressure build-up which could result in container rupture.

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents, alkaline materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield carbon dioxide and/or carbon monoxide, nitrogen oxides, methane and carboxylic acids.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: May cause irritation to nose, throat and respiratory tract. High vapor concentrations may cause CNS depression.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin and eye contact: May cause irritation to both.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption: May cause irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion: May cause vomiting which can result in aspiration of liquid into lungs. Do not induce vomiting.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, skin. nose and respiratory tract irritation. Early to moderate CNS depression may be evidenced by giddiness, headache, nausea and dizziness. Aspiration of liquid into the lungs can result in aspiration pneumonitis which may be evidenced by coughing and labored breathing. Chronic: Prolonged and repeated contact with skin may cause defatting and drying of the skin which may result in dermatitis.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: No

This material contains Di(2-ethylhexyl) phthalate, which is classified as a possible carcinogen for humans (2B) by IARC and NTP.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin and respiratory disorders may be aggravated.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION. SPLASH (EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH (SKIN): WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION IMMEDIATELY.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. LARGE SPILLS MAY BE PISKED UP WITH NON-SPARKING TOOLS. SMALL SPILLS MAY BE PICKED UP WITH ABSORBENT MATERIALS. ADD WATER TO CONTAINERS. DO NOT ALLOW MATERIALS TO BECOME DRY.

WASTE DISPOSAL METHOD

Place in tightly closed containers and dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from heat, sparks and open flames. Keep containers tightly closed when not in use. Use with adequate ventilation. Electrically bond and ground the drum while emptying. Do not allow contents to become dry.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact. Ground equipment to prevent accumulation of static charge.

RESPIRATORY PROTECTION

Use a NIOSH-approved respirator if exposure exceeds TLV limits.

VENTILATION

Use explosion-proof ventilation as required to control vapor concentrations.

PROTECTIVE GLOVES

Chemical resistant gloves

EYE PROTECTION

Chemical goggles, safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye bath and safety shower

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SPEEDPRIME PRIMER SURFACER--PART B

HMIS CODES: H F R P

PRODUCT CODE: 911B

2*3 2

========== SECTION I - MANUFACTURER IDENTIFICATION =============

ADDRESS

MANUFACTURER'S NAME: PACIFIC COAST LACQUER

: 3150 E. PICO BLVD.

EMERGENCY PHONE (CHEMTREC): (800)424-9300 DATE PRINTED

LOS ANGELES, CA 90023-3683

: 04/02/98

INFORMATION PHONE

: (800)752-1566

NAME OF PREPARER: N/A

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE @TEMP(F)	Weight Percent
ACETONE OSHA PEL: 1000 ppm, ACGIH TLV: 750 ppm	67-64-1	185.5	68	90
* DI (2-ETHYLHEXYL) PHTHALATE OSHA PEL: 5 MG/M3, ACGIH TLV: 5 MG/M3	117-81-7	0	68	1.39

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

========= SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE(Deg F): 133 - 723

VAPOR DENSITY: HEAVIER THAN AIR

COATING V.O.C.: 0.53 lb/gl COATING V.O.C.: 63 g/1

SPECIFIC GRAVITY (H2O=1): 0.81

EVAPORATION RATE: SLOWER THAN ETHER

MATERIAL V.O.C.: 0.04 lb/gl

MATERIAL V.O.C.: 5 q/1

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Clear liquid with mild odor

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ===========

FLASH POINT (Deg F): 1

METHOD USED: TOC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: .3

UPPER: 12.8

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES

Use approved self-contained breathing apparatus. Do not use direct stream of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire-exposed containers should be cooled with water to prevent pressure build-up which could result in container rupture.

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

911B

Page: 2

'INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: May cause respiratory tract irritation.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin and eye contact: May cause irritation to both.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption: May cause irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, nose and respiratory tract irritation, headache, drowsiness and nausea. Ingestion may cause vomiting and subsequent aspiration of liquid into the lungs may lead to chemical pneumonia and pulmonary edema. Chronic: Long term exposure may lead to central nervous system depression.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: No

This material contains Di(2-ethylhexyl) phthalate, which is classified as a possible carcinogen for humans (2B) by IARC and NTP.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION. SPLASH (EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH (SKIN): WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION IMMEDIATELY.

======== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ======

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. LARGE SPILLS MAY BE SCOOPED UP WITH NON-SPARKING TOOLS. SMALL SPILLS MAY BE PICKED UP WITH ABSORBENT MATERIALS.

WASTE DISPOSAL METHOD

Place in tightly closed containers and dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from high temperatures and open flames. Keep containers tightly closed. Use with adequate ventilation.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact. Ground equipment to prevent accumulation of static charge.

RESPIRATORY PROTECTION

Follow OSHA regulation 29CFR 1910.134 for respirator use. Use air-purifying respirator that respirator supplier has demonstrated to be effective for solvent vapors when concentrations exceed the TLV up to the maximum level at which the respirator is effective. If the concentration of solvents is not known, use positive pressure air-supplied respirator.

VENTILATION

Adequate volume and pattern to keep air contaminant concentration below current applicable OSHA or ACGIH's TLV limits.

PROTECTIVE GLOVES

Chemical resistant gloves

EYE PROTECTION

Chemical goggles, safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye bath and safety shower

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PCL POLYPRIMER GRAY

PRODUCT CODE: 901

HMIS CODES: H F R P 2*3 1

MANUFACTURER'S NAME: PACIFIC COAST LACQUER

ADDRESS

: 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683

INFORMATION PHONE

: (800)752-1566

EMERGENCY PHONE (CHEMTREC): (800)424-9300 DATE PRINTED: 03/31/98

NAME OF PREPARER: N/A

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE @TEMP (F)	Weight Percent
* STYRENE ? OSHA PEL: 100 PPM, ACGIH TLV: 50 PPM	100-42-5	4.5	68	15.77
TITANIUM DIOXIDE (as total nuisance dust) OSHA PEL: 10 ppm, ACGIH TLV: 10 mg/m3	13463-67-7	NA	NA	10
CALCIUM CARBONATE (as total nuisance dust) ACGIH TLV: 10 mg/m3	1317-65-3	NA	NA	8
ACETONE OSHA PEL: 1000 ppm, ACGIH TLV: 750 ppm	67-64-1	185.5	68	4
* SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC OSHA PEL: 400 ppm, ACGIH TLV: 400 ppm	64742-89-8	41.4	68	2
* METHYL ISOBUTYL KETONE OSHA PEL: 100 ppm, ACGIH TLV: 50 ppm	108-10-1	14.5	68	2
* METHYL ETHYL KETONE OSHA PEL: 200 ppm, ACGIH TLV: 200 ppm	78-93-3	70.9	68	2
n-BUTYL ACETATE ACGIH TLV: 150 ppm	123-86-4	8.4	68	2
* CO 2-ETHYLHEXANOATE OSHA PEL: 0.1 MG/M3, ACGIH TLV: 0.05 MG/M3	136-52-7	NA	NA	0.16

^{*} Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

========= SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE (Deg F): 133 - 295 VAPOR DENSITY: HEAVIER THAN AIR COATING V.O.C.: 1.18 lb/gl COATING V.O.C.: 141 g/l

SPECIFIC GRAVITY (H2O=1): 1.35 EVAPORATION RATE: SLOWER THAN ETHER

MATERIAL V.O.C.: 1.10 lb/gl

MATERIAL V.O.C.: 131 g/l

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Gray liquid with mild odor

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ===========

FLASH POINT (Deg F): 1 METHOD USED: TOC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: 1 UPPER: 12.8

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

De1 =1.

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SPECIAL FIREFIGHTING PROCEDURES

Use approved self-contained breathing apparatus. Do not use direct stream of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire-exposed containers should be cooled with water to prevent pressure build-up which could result in container rupture.

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: May cause masal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Eye contact: May cause severe irritation, redness, tearing and blurred vision. Skin contact: May cause moderate irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption: May cause irritation, defatting and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, nose, respiratory tract and skin irritation, headache, drowsiness and nausea. Ingestion may result in vomiting; aspiration (breathing in) into the lungs may result in aspiration pneumonitis. Chronic: Long term exposure may lead to central nervous system depression, dermatitis and liver and kidney damage.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No This material contains a cobalt compound and styrene; both are classified as possible carcinogens for humans (2B) by IARC.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: MOVE PERSON TO FRESH AIR. PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN IF BREATHING IS DIFFICULT. EYE & SKIN CONTACT: FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. WASH AFFECTED AREAS WITH SOAP AND WATER IMMEDIATELY. REMOVE CONTAMINATED CLOTHING. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

======== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. LARGE SPILLS MAY BE SCOOPED UP WITH NON-SPARKING TOOLS. SMALL SPILLS MAY BE PICKED UP WITH ABSORBENT MATERIALS.

WASTE DISPOSAL METHOD

Place in tightly closed containers and dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from high temperatures and open flames. Keep containers tightly closed. Use with adequate ventilation.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact. Ground equipment to prevent accumulation of static charge.

RESPIRATORY PROTECTION

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Where vapor does not exceed TLV limits, use NIOSH approved respirator.

VENTILATION

Adequate volume and pattern to keep air contaminant concentration below current applicable OSHA or ACGIH's TLV limits.

PROTECTIVE GLOVES

Chemical resistant gloves

EYE PROTECTION

Chemical goggles, safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye bath and safety shower

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

CALIFORNIA PROPOSITION 65

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Contains: Toluene (trace)

This product contains a chemical known to the State of California to cause cancer. Contains: Benzene (trace) and Crystalline Silica (trace).

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==================== SECTION X - DISCLAIMER

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EUROSEAL NON SANDING PRIMER SEALER GRAY

HMIS CODES: H F R P

2*3 0

PRODUCT CODE: 701

SECTION I - MANUFACTURER IDENTIFICATION ============ =========

MANUFACTURER'S NAME: PACIFIC COAST LACQUER ADDRESS

: 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683 EMERGENCY PHONE (CHEMTREC): (800)-424-9300 DATE PRINTED

: 07/09/99

INFORMATION PHONE

: (800)752-1566

NAME OF PREPARER: N/A

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE @TEMP(F)	WEIGHT PERCENT
TITANIUM DIOXIDE (as total nuisance dust) OSHA PEL: 10 ppm, ACGIH TLV: 10 mg/m3	13463-67-7	NA	NA	19
* PARACHLOROBENZOTRIFLUORIDE OSHA PEL: NE, ACGIH TLV: NE	98-56-6	5.3	68	12
n-BUTYL ACETATE ACGIH TLV: 150 ppm	123-86-4	8.4	68	12
ACETONE OSHA PEL: 1000 ppm, ACGIH TLV: 750 ppm	67-64-1	185.5	68	7
METHYL AMYL KETONE , 2-HEPTANONE / ACGIH TLV: 50 ppm	110-43-0	2.14	68	1
* TOLUENE OSHA PEL: 200 ppm, ACGIH TLV: 100 ppm	108-88-3	21.8	68	0.44

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

========= SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =========

BOILING RANGE (Deg F): 133 - 304 VAPOR DENSITY: HEAVIER THAN AIR COATING V.O.C.: 2.25 lb/gl

EVAPORATION RATE: SLOWER THAN ETHER MATERIAL V.O.C.: 1.68 lb/ql

COATING V.O.C.: 269 g/1 MATERIAL V.O.C.: 201 g/1

SPECIFIC GRAVITY (H20=1):

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Gray liquid with mild odor

========= SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==========

FLASH POINT (Deg F): 1 METHOD USED: TOC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: .9

UPPER: 12.8

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

Use self-contained breathing apparatus. Water may be used to cool closed container to prevent pressure build-up.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors concentrated in a confined or poorly ventilated area can be ignited upon contact with a high energy spark, flame or high intensity source of heat.

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat and open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: May cause irritation of the respiratory system, dizziness, nausea, headache, loss of coordination and unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Eye contact: May cause irritation. Skin contact: May cause defatting of the skin with resultant irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption: May cause irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion: Maybe harmful if swallowed in large quantities. Symptoms can include sore throat, abdominal pain, nausea vomiting and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Chronic: Prolonged and repeated contact to organic solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage. Acute: Long term exposure may lead to irritation in the eyes, skin, and respiratory system.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. SPLASH (EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH (SKIN): WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION IMMEDIATELY.

3 ======== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. SOAK UP WITH DIATOMACEOUS SILICA AND PICK UP WITH A SHOVEL. FOR LARGE SPILLS, USE WATER SPRAY TO DILUTE SPILL TO A NONCOMBUSTIBLE MIXTURE. PREVENT RUNOFF FROM ENTERING DRAINS AND SEWER.

WASTE DISPOSAL METHOD

Incinerate under safe conditions or dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from exessive heat, sparks and open flames. Keep containers tightly closed.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact or inhalation. Ground equipment to reduce electrical sparking hazard. Empty containers must be handled with care due to product residue and flammable solvent vapor.

=============== SECTION VIII - CONTROL MEASURES *********

RESPIRATORY PROTECTION

Use approved self-contained breathing apparatus where vapor concentration may be above TLV limits.

VENTILATION

Adequate volume and pattern to keep air contaminant concentration below current applicable OSHA or ACGIH's TLV limits.

PROTECTIVE GLOVES

Chemical resistant gloves

EYE PROTECTION

Safety goggles or glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye bath and safety shower

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

CALIFORNIA PROPOSITION 65

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Contains: Toluene

This product contains a chemical known to the State of California to cause cancer.

Contains: Benzene (trace)

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ENVIRO-FINISH URETHANE CATALYST

HMIS CODES: H F R P

PRODUCT CODE: 6340-98

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ADDRESS

MANUFACTURER'S NAME: PACIFIC COAST LACQUER : 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683

EMERGENCY PHONE (CHEMTREC): (800)424-9300 DATE PRINTED

: 07/02/98

INFORMATION PHONE

: (800)752-1566

NAME OF PREPARER: N/A

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE @TEMP(F)	Weight Percent
HOMOPOLYMER OF HDI OSHA PEL: N/E, ACGIH TLV: N/E, OTHER: 1 mg/m3	28182-81-2	0	68	45
* METHYL PROPYL KETONE OSHA PEL: 200 ppm, ACGIH TLV: 200 ppm	107-87-9	28	68	22
OXO-HEXYL ACETATE OSHA PEL: N/E, ACGIH TLV: N/E	88230-35-7	1.4	68	9
* METHYL ISOBUTYL KETONE OSHA PEL: 100 ppm, ACGIH TLV: 50 ppm	108-10-1 /	14.5	68	9
* XYLENE OSHA PEL: 100 ppm, ACGIH TLV: 100 ppm	1330-20-7/	6.1	68	8
n-BUTYL ACETATE ACGIH TLV: 150 ppm	123-86-4	8.4	68	8

^{*} Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

======== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =========

BOILING RANGE (Deg F): 220 - 330 VAPOR DENSITY: HEAVIER THAN AIR

SPECIFIC GRAVITY (H2O=1): EVAPORATION RATE: SLOWER THAN ETHER

COATING V.O.C.: 4.35 lb/gl

MATERIAL V.O.C.: 4.35 lb/gl

COATING V.O.C.: 521 g/1

MATERIAL V.O.C.: 521 g/l

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Pale yellow liquid with mild odor

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ============

FLASH POINT (Deg F): 46

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: 1

UPPER: 8

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

Use approved gas mask and full protective clothing. Water may be used to cool closed container to prevent pressure build-up and possible explosions due to extreme heat.

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UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep away from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat due to pressure build-up.

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents, isocyanates and acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield CO and/or CO2, oxides of nitrogen amines & other aliphatic fragments.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: May cause irritation to nose, throat and respiratory tract. High vapor concentrations may cause CNS depression. May cause irritation of the mucous membranes in the respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing obstruction).

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin and eye contact: May result in dry, defatted and cracked skin causing increased susceptibility to infection or dermatitis. Irritated eyes may cause tearing, reddening and swelling. Prolonged exposure may cause conjunctivitis.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption may cause systemic effects similar to those identified under inhalation effects.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion may result in irritation and possible corrosive action in the mouth, stomach and digestive tract. Vomiting may cause aspiration resulting in chemical pneumonitis.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, nose and skin irritation, headache, dizziness and nausea. Ingestion may result in vomiting; aspiration of liquid into the lungs may result in aspiration pneumonitis. Chronic: Long term exposure may lead to central nervous system depression and dermatitis.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Asthma and any other respiratory disorders (bronchitis, emphysema, hyperreactivity), skin allergies and eczema.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. SPLASH (EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH (SKIN): WASH AFFECTED AREAS WITH SOAP AMD WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. SOAK UP WITH DIATOMACEOUS SILICA AND PICK UP WITH A SHOVEL. FOR LARGE SPILLS, USE WATER SPRAY TO DILUTE SPILL TO A NONCOMBUSTIBLE MIXTURE. PREVENT RUNOFF FROM ENTERING DRAINS AND SEWER.

WASTE DISPOSAL METHOD

Incinerate under safe conditions or dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from excessive heat, sparks, and open flame. Keep containers tightly closed. This product contains a chemical substance that is reportable under the Significant New Use Rule (SNUR), reference EPA's CFR721.2980 and CFR 721.9--Release to water.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact. Ground equipment to prevent accumulation of static charge.

RESPIRATORY PROTECTION

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Where vapor does not exceed TLV limits, use NIOSH approved respirator.

VENTILATION

Adequate volume and pattern to keep air contaminant concentration below current applicable OSHA or ACGIH's TLV limits.

PROTECTIVE GLOVES

Chemical resistant gloves

EYE PROTECTION

Chemical goggles, safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye bath and safety shower

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EUROCLEAR II 3.5 VOC CLEAR

PRODUCT CODE: 2300A

HMIS CODES: H F R 2*3 0

ADDRESS

MANUFACTURER'S NAME: PACIFIC COAST LACQUER : 3150 E. PICO BLVD.

INFORMATION PHONE

LOS ANGELES, CA 90023-3683

: (800)752-1566

EMERGENCY PHONE (CHEMTREC): (800)-424-9300 DATE PRINTED: 06/16/99 NAME OF PREPARER: N/A

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =======

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE CTEMP (F)	WEIGHT PERCENT
ACETONE OSHA PEL: 1000 ppm, ACGIH TLV: 750 ppm	67-64-1	185.5	68	20
n-BUTYL ACETATE; BUTYL ETHANOATE OSHA PEL: 150 ppm, ACGIH TLV: 150 ppm	123-86-4	8	68	13
n-BUTYL ACETATE ACGIH TLV: 150 ppm	123-86-4	8.4	68	12
* XYLENE OSHA PEL: 100 ppm, ACGIH TLV: 100 ppm	1330-20-7	6.1	68	1
* TOLUENE OSHA PEL: 200 ppm, ACGIH TLV: 100 ppm	108-88-3	21.8	68	1.45

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

========= SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =========

BOILING RANGE (Deg F): 133 - 285 VAPOR DENSITY: HEAVIER THAN AIR COATING V.O.C.: 3.00 lb/gl COATING V.O.C.: 359 g/l

EVAPORATION RATE: SLOWER THAN ETHER MATERIAL V.O.C.: 2.29 lb/gl

SPECIFIC GRAVITY (H2O=1):

MATERIAL V.O.C.: 274 g/l

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Pale yellow liquid with mild odor

FLASH POINT (Deg F): 1

METHOD USED: TOC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: 1

UPPER: 12.8

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Use approved self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep away from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat due to pressure build-up.

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents, isocyanates and acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield CO and/or CO2, oxides of nitrogen amines & other aliphatic fragments.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin contact may cause irritation. Symptoms of skin irritation may be reddening, swelling, scaling or blistering. Eye contact may cause tearing, reddening and swelling of the eyes.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption may cause systemic effects similar to those identified under inhalation effects.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, nose and skin irritation, headache, dizziness and nausea. Ingestion may result in vomiting; aspiration of liquid into the lungs may result in aspiration pneumonitis. Chronic: Long term exposure may lead to central nervous system depression and dermatitis.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Pre-existing eye, skin and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. SPLASH(EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH(SKIN): WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. FOR SEVERAL EXPOSURES GET UNDER SAFETY SHOWER AFTER REMOVING CLOTHING, THEN GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE 1 TO 2 CUPS OF MILK OR WATER TO DRINK. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. CONSULT PHYSICIAN IMMEDIATELY.

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Page: 3

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL SOURCES OF IGNITION. ABSORB WITH INERT MATERIAL (SAND, VERMICULITE, ETC.), SWEEP OR SCOOP UP AND PUT IN DISPOSAL CONTAINER. FLUSH AREA OF SPILL WITH WATER.

WASTE DISPOSAL METHOD

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue and flammable solvent vapor. Decontaminate containers prior to disposal. DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks and open flame. Ground containers during storage and transfer operations. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Avoid contact with skin and eyes.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact. Ground equipment to prevent accumulation of static charge.

RESPIRATORY PROTECTION

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Below TLV limits, use a combination vapor and particulate respirator for spray application or a vapor respirator for non-spray applications.

VENTILATION

Exhaust ventilation sufficient to keep the airborne concentration of the solvents, HDI and polyisocyanate below their respective TLV's must be utilized.

PROTECTIVE GLOVES

Chemical resistant gloves. Cover as much of the skin area as possible with appropriate clothing

EYE PROTECTION

Safety glasses, splash goggles or face shield. Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Safety showers and eyewash stations should be provided.

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

CALIFORNIA PROPOSITION 65

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Contains: Toluene

This product contains a chemical known to the State of California to cause cancer. Contains: Benzene (trace)

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EUROCLEAR II 3.5 VOC CATALYST HMIS CODES: H F R I

PRODUCT CODE: 2398B

2*2 1

MANUFACTURER'S NAME: PACIFIC COAST LACQUER ADDRESS : 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683

EMERGENCY PHONE (CHEMTREC): (800)-424-9300 DATE PRINTED : 06/16/99

INFORMATION PHONE : (800)752-1566 NAME OF PREPARER : N/A

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE ©TEMP (F)	WEIGHT PERCENT
n-BUTYL ACETATE; BUTYL ETHANOATE	123-86-4	8	68	41
OSHA PEL: 150 ppm, ACGIH TLV: 150 ppm HOMOPOLYMER OF HDI				
OSHA PEL: N/E, ACGIH TLV: N/E, OTHER: 1 mg/m3	28182-81-2	0	68	16
WHITE SPIRITS	64742-82-1	3	68	7
OSHA PEL: NE, ACGIH TLV: NE		-		•
OXO-HEXYL ACETATE	88230-35-7	1.4	68 ;	3
OSHA PEL: N/E, ACGIH TLV: N/E AROMATIC 100	** * **	_		
OSHA PEL: N/E, ACGIH TLV: N/E	64742-95-6	1	68	3
* 1,2,4-TRIMETHYLBENZENE	95-63-6	1.7	68	1
OSHA PEL: 400 ppm, ACGIH TLV: 50 ppm				-

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

BOILING RANGE (Deg F): 252 - 330 SPECIFIC GRAVITY (H2O=1): VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER COATING V.O.C.: 4.64 lb/gl MATERIAL V.O.C.: 4.64 lb/gl

COATING V.O.C.: 556 g/l

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Pale yellow liquid with mild odor

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ===========

MATERIAL V.O.C.: 556 g/l

FLASH POINT (Deg F): 78 METHOD USED: TOC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: .9 UPPER: 8

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. During fire, HDI vapors and other irritating , highly toxic gases may be generated by thermal decomposition.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat or burst when contaminated with water. Solvent vapors may be heavier than air. Stagnant air may cause vapors to accumulate and travel along the ground to an ignition source which may result in a flash back to the source of the vapor.

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Water, amines, strong bases, alcohols, metal compounds and surface active materials

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Carbon dioxide, carbon monoxide, oxides of nitrogen, traces of HCN and HDI

HAZARDOUS POLYMERIZATION: MAY OCCUR

May occur if in contact with moisture or other materials which react with isocyanates. May occur at temp. over 400 Deg F

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause irritation of the mucous membranes in the respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing obstruction).

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin contact may cause irritation. Symptoms of skin irritation may be reddening, swelling, scaling or blistering. Eye contact may cause tearing, reddening and swelling of the eyes.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption may cause systemic effects similar to those identified under inhalation effects.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion may result in irritation and possible corrosive action in the mouth, stomach and digestive tract.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause irritation of the mucous membranes, eyes, skin and throat. Other symptoms are headache, nausea, fatigue and loss of appetite. Ingestion may cause vomiting which may result in aspiration of the solvent resulting in chemical pneumonitis. Chronic: May cause lung damage, skin sensitization and neurotoxic effects including permanent brain and nervous system damage.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Asthma and any other respiratory disorders (bronchitis, emphysema, hyperreactivity), skin allergies and eczema.

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EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. SPLASH(EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 1 MINUTES. SPLASH(SKIN): WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. FOR SEVERAL EXPOSURES GET UNDER SAFETY SHOWER AFTER REMOVING CLOTHING, THEN GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE 1 TO 2 CUPS OF MILK OR WATER TO DRINK. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. CONSULT PHYSICIAN IMMEDIATELY.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. COVER THE SPILL WITH SAWDUST, VERMICULITE OR OTHER ABSORBENT MATERIAL. COLLECT MATERIAL IN OPEN CONTAINERS. REMOVE CONTAINERS TO A SAFE PLACE AND ALLOW TO STAND FOR 24 TO 48 HOURS.

WASTE DISPOSAL METHOD

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue and flammable solvent vapor. Decontaminate containers prior to disposal. DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks and open flame. Ground containers during storage and transfer operations. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Avoid contact with skin and eyes.

OTHER PRECAUTIONS

If container is exposed to high heat, it can be pressurized and possibly rupture explosively. HDI reacts slowly with water to form carbon dioxide (CO2) gas. This gas can cause sealed containers to expand and possibly rupture explosively.

RESPIRATORY PROTECTION

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Below TLV limits, use a combination vapor and particulate respirator for spray application or a vapor respirator for non-spray applications.

VENTILATION

Exhaust ventilation sufficient to keep the airborne concentration of the solvents, HDI and polyisocyanate below their respective TLV's must be utilized.

PROTECTIVE GLOVES

Chemical resistant gloves. Cover as much of the skin area as possible with appropriate clothing.

EYE PROTECTION

Safety glasses, splash goggles or face shield. Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Safety showers and eyewash stations should be provided.

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

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CALIFORNIA PROPOSITION 65

None.

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PREMIUM PRODUCTION EUROCLEAR

PRODUCT CODE: 2400

HMIS CODES: H F R 2*3 1

MANUFACTURER'S NAME: PACIFIC COAST LACQUER

ADDRESS

: 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683

: 02/04/00

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =======

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR mmHG	Pressure Ctemp (f)	WEIGHT PERCENT
* PARACHLOROBENZOTRIFLUORIDE OSHA PEL: NE, ACGIH TLV: NE	98-56-6	5.3	68	44
n-BUTYL ACETATE ACGIH TLV: 150 ppm	123-86-4	8.4	68	9
ACETONE OSHA PEL: 1000 ppm, ACGIH TLV: 750 ppm	67-64-1	185.5	68	8 .
* TOLUENE OSHA PEL: 200 ppm, ACGIH TLV: 100 ppm /	108-88-3	21.8	68	1.05

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR $37\overline{2}$.

DENSITY:

========== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE (Deg F): 133 - 282 VAPOR DENSITY: HEAVIER THAN AIR COATING V.O.C.: 1.84 lb/gl MATERIAL V.O.C.: 0.95 lb/gl COATING V.O.C.: 220 g/l MATERIAL V.O.C.: 113 g/l EVAPORATION RATE: SLOWER THAN ETHER

APPEARANCE AND ODOR: Pale yellow liquid with mild odor

SPECIFIC GRAVITY (H20=1): 1.13

 $9.39 \, lb/ql$

FLASH POINT (Deg F): 1 METHOD USED: TOC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: .9

UPPER: 12.8

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Use approved self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep away from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat due to pressure build-up.

STABILITY: STABLE

2400

· CONDITIONS TO AVOID

· Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents, isocyanates and acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield CO and/or CO2, oxides of nitrogen amines & other aliphatic fragments.

Page:

2

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin contact may cause irritation. Symptoms of skin irritation may be reddening, swelling, scaling or blistering. Eye contact may cause tearing, reddening and swelling of the eyes.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption may cause systemic effects similar to those identified under inhalation effects

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, nose and skin irritation, headache, dizziness and nausea. Ingestion may result in vomiting; aspiration of liquid into the lungs may result in aspiration pneumonitis. Chronic: Long term exposure may lead to central nervous system depression and dermatitis.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Pre-existing eye, skin and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. SPLASH(EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH(SKIN): WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. FOR SEVERAL EXPOSURES GET UNDER SAFETY SHOWER AFTER REMOVING CLOTHING, THEN GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE 1 TO 2 CUPS OF MILK OR WATER TO DRINK. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. CONSULT PHYSICIAN IMMEDIATELY.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL SOURCES OF IGNITION. ABSORB WITH INERT MATERIAL (SAND, VERMICULITE, ETC.), SWEEP OR SCOOP UP AND PUT IN DISPOSAL CONTAINER. FLUSH AREA OF SPILL WITH WATER.

WASTE DISPOSAL METHOD

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue and flammable solvent vapor. Decontaminate containers prior to disposal. DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks and open flame. Ground containers during storage and transfer operations. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Avoid contact with skin and eyes.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact. Ground equipment to prevent accumulation of static charge.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Below TLV limits, use a combination vapor and particulate respirator for spray application or a vapor respirator for non-spray applications.

VENTILATION

Exhaust ventilation sufficient to keep the airborne concentration of the solvents, HDI and polyisocyanate below their respective TLV's must be utilized.

PROTECTIVE GLOVES Chemical resistant gloves. Cover as much of the skin area as possible with appropriate clothing

EYE PROTECTION

Safety glasses, splash goggles or face shield. Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Safety showers and eyewash stations should be provided.

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

SECTION IX - REGULATORY INFORMATION =============

CALIFORNIA PROPOSITION 65

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Contains: Toluene

This product contains a chemical known to the State of California to cause cancer. Contains: Benzene (trace)

The information contained herein is based on the data available to us and is believed to be correct. However, Pacific Coast Lacquer Co. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Pacific Coast Lacquer Co. assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PREMIUM PRODUCTION EUROCLEAR CATALYST HMIS CODES: H F R I

PRODUCT CODE: 2498

3*3 1

MANUFACTURER'S NAME: PACIFIC COAST LACQUER

ADDRESS

: 3150 E. PICO BLVD.

LOS ANGELES, CA 90023-3683

EMERGENCY PHONE (CHEMTREC): (800) 424-9300 DATE PRINTED

: 02/04/00

INFORMATION PHONE : (800)752-1566 NAME OF PREPARER: N/A

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAS NUMBER		PRESSURE @TEMP(F)	WEIGHT PERCENT
* PARACHLOROBENZOTRIFLUORIDE OSHA PEL: NE, ACGIH TLV: NE	98-56-6	5.3	68	38
HOMOPOLYMER OF HDI OSHA PEL: N/E, ACGIH TLV: N/E, OTHER: 1 mg/m3	28182-81-2	0	68	16
OXO-HEXYL ACETATE OSHA PEL: N/E, ACGIH TLV: N/E	88230-35-7	1.4	68	7
WHITE SPIRITS OSHA PEL: NE, ACGIH TLV: NE	64742-82-1	3	68	7
OSHA PEL: N/E, ACGIH TLV: N/E	64742-95-6	1	68	3
* 1,2,4-TRIMETHYLBENZENE OSHA PEL: 400 ppm, ACGIH TLV: 50 ppm n-BUTYL ACETATE		1.7	68	1
ACGIH TLV: 150 ppm	123-86-4	8.4	68	1

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

========= SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =========

BOILING RANGE (Deg F): 259 - 330

DENSITY: 9.42 lb/ql VAPOR DENSITY: HEAVIER THAN AIR

COATING V.O.C.: 2.81 lb/gl SPECIFIC GRAVITY (H20=1):

MATERIAL V.O.C.: 1.90 lb/gl

COATING V.O.C.: 336 g/l

MATERIAL V.O.C.: 228 g/1

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: SLOWER THAN ETHER

APPEARANCE AND ODOR: Pale yellow liquid with mild odor

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ===========

FLASH POINT (Deg F): 78 METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: .9

UPPER: 10.5

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. During fire, HDI vapors and other irritating , highly toxic gases may be generated by thermal decomposition.

2498

Page: 2 UNUSUAL FIRE AND EXPLOSION HAZARDS , Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode

when exposed to extreme heat or burst when contaminated with water. Solvent vapors may be heavier than air. Stagnant air may cause vapors to accumulate and travel along the ground to ar ignition source which may result in a flash back to the source of the vapor.

************* SECTION V REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks or open flames

INCOMPATIBILITY (MATERIALS TO AVOID)

Water, amines, strong bases, alcohols, metal compounds and surface active materials

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Carbon dioxide, carbon monoxide, oxides of nitrogen, traces of HCN and HDI

HAZARDOUS POLYMERIZATION: MAY OCCUR

May occur if in contact with moisture or other materials which react with isocyanates. May occu at temp. over 400 Deg F

SECTION VI -

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause irritation of the mucous membranes in the respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing obstruction).

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin contact may cause irritation. Symptoms of skin irritation may be reddening, swelling, scaling or blistering. Eye contact may cause tearing, reddening and swelling of the eyes.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption may cause systemic effects similar to those identified under inhalation effects.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion may result in irritation and possible corrosive action in the mouth, stomach and digestive tract.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause irritation of the mucous membranes, eyes, skin and throat. Other symptoms are headache, nausea, fatigue and loss of appetite. Ingestion may cause vomiting which may result in aspiration of the solvent resulting in chemical pneumonitis. Chronic: May cause lung damage, skin sensitization and neurotoxic effects including permanent brain and nervous system damage.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Asthma and any other respiratory disorders (bronchitis, emphysema, hyperreactivity), skin allergies and eczema.

EMERGENCY AND FIRST AID PROCEDURES

Page: 3

INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. SPLASH(EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH(SKIN): WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. FOR SEVERAL EXPOSURES GET UNDER SAFETY SHOWER AFTER REMOVING CLOTHING, THEN GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE 1 TO 2 CUPS OF MILK OR WATER TO DRINK. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. CONSULT PHYSICIAN IMMEDIATELY.

====== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION AND PROVIDE VENTILATION. COVER THE SPILL WITH SAWDUST, VERMICULITE OR OTHER ABSORBENT MATERIAL. COLLECT MATERIAL IN OPEN CONTAINERS. REMOVE CONTAINERS TO A SAFE PLACE AND ALLOW TO STAND FOR 24 TO 48 HOURS.

WASTE DISPOSAL METHOD

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue and flammable solvent vapor. Decontaminate containers prior to disposal. DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks and open flame. Ground containers during storage and transfer operations. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Avoid contact with skin and eyes.

OTHER PRECAUTIONS

If container is exposed to high heat, it can be pressurized and possibly rupture explosively. HDI reacts slowly with water to form carbon dioxide (CO2) gas. This gas can cause sealed containers to expand and possibly rupture explosively.

RESPIRATORY PROTECTION

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Below TLV limits, use a combination vapor and particulate respirator for spray application or a vapor respirator for non-spray applications.

VENTILATION

Exhaust ventilation sufficient to keep the airborne concentration of the solvents, HDI and polyisocyanate below their respective TLV's must be utilized.

PROTECTIVE GLOVES

Chemical resistant gloves. Cover as much of the skin area as possible with appropriate clothing.

EYE PROTECTION

Safety glasses, splash goggles or face shield . Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Safety showers and eyewash stations should be provided.

WORK/HYGIENIC PRACTICES

Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.

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	8282222222222222	SECTION IX	-	REGULATORY	INFORMATION	=======
	CALIFORNIA PROPOSITI	ON 65				
	None.				•	

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DuPont Automotive Finishes



Store #1013

2591 E. FOOTHILL, BOULEVARD Pasadena, CA 91107

IMPORTANT INFORMATION Enclosed DuPont Material Safety Data Sheets For Compliance with OSHA Standard 29CFR§1910.1200

MATERIAL SAFETY DATA SHEET



METAL TREATMENTS

Section I - Manufacturer

Manufacturer:

DuPont Co. Automotive

Wilmington, Delaware 19898

Telephone:

Product information (800)441-7515
Medical emergency (800) 441-3637
Transportation emergency (800) 424-9300 (CHEMTREC)
Product: Metal treatments 224S, 225S, 226S, 227S, 230S, 244S,

5717S, 5718S

OSHA Hazard Class: 224S, 227S, Flammable liquid.

DOT Shipping Name: See DOT addendum.

Hazardous Materials Information: See Section X.

Section II - Hazardous Ingredients

(See Section X)

Vapor Pressure

Ingredients	CAS No.	(20°C. mm	Exposure Hg) Limits *
Chromic acid			
	1333-82-0	Unknown	50 μg/m3-A Cr 0.1 mg/m3-O Cr
Ethylene glyce	of monobutyl	ether	511 Mg5 5 51
		· · · · 0.6	25 ppm-A Skin 50 ppm-O Skin 10 ppm-D Skin
isopropyl aleo	67-63-0	33.0	400 ppm-A,O 500 ppm-A 15 min(STEL) 400 ppm-D 8&12 hr TWA
Nickel phosph	ate		-oo ppin b od iz iii 144A

10001 40 4	TOTIO	
Octylphenoxypolyethoxyethanol	surfactant	
9036-19-5	1.0	
Organofunctional ester		

10381-36-9

0.1 mg/m3-A,O Ni .

None-A,O

Not Available Phosphoric acid

Unknown None-A,O None

7664-38-2

1 mg/m3-A,O 3 mg/m3-A,O 15 min(STEL) 1 mg/m3-D 8&12 hr

Potassium fluoride 7789-23-3

None 2.5 mg/m3-A Fluoride as F None-O

Water

7732-18-5 23.6 None-A.O

Zinc oxide 1314-13-2 None

5 mg/m3-O Resp 10 mg/m3-A,O Total dust

A = ACGIH TLV; O = OSHA; D = DuPont internal limit; S = Supplier Furnished limit; STEL = Short Term Exposure Limit; C = Ceiling.

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible

Percent volatile by volume: 49.6%- 99.6% Percent volatile by weight: 45%- 99% Boiling range: 26°C- 175°C/ 79°F- 347°F Gallon weight: 7.20- 9.64 lbs./gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.9%- 25.0% Extinguishing media: Universal aqueous film-forming foam,

carbon dioxide, dry chemical.

Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to

prevent pressure build up.

Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available.

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING.

Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye contact: These products are not designed to be spayed or atomized. (Except for 230S, follow dilution directions on label) Severe skin or eye irritation can result. Treat as a strong acid burn, flush with water for at least 15 minutes, and seek medical attention IMMEDIATELY. May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Specific Effects:

Chromic Acid Chromic acid overexposure causes severe irritation to eyes and may cause blindness. May cause deep, painful penetrating ulcers on skin. May cause severe imitation of the respiratory tract and nasal septum and possible perforation. Prolonged or repeated eye contact may cause conjunctivitis. solutions can be absorbed through the skin in harmful amounts leading to kidney failure and death. Death has been avoided in several cases through early renal dialysis. Implantation studies have produced lung cancers in laboratory animals. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Is an IARC, NTP or OSHA carcinogen. WARNING: This chemical is An JARC, NIP or OSHA carcinogen, WARNING: This chemical is known to the State of California to cause cancer. Ethylene Glycol Monobutylether Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Isopropyl Alcohol Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Nickel Phosphate Has shown mutagenic activity in laboratory cell culture tests. WARNING: This chemical is known to the State of California to cause cancer. Octylphenoxypolyethoxyethanol Surfactant Causes eye corrosion and permanent injury. Contact may cause skin irritation with discomfort or rash. Organofunctional Ester Can be absorbed through the skin in harmful amounts. Contact may cause skin irritation with discomfort or rash. Prolonged skin contact may skin irritation with discomfort or rash. Prolonged skin contact may cause chemical burns. Causes eye corrosion and permanent injury.

Phosphoric Acid Prolonged skin contact may cause chemical burns. Liquid spfashes in the eye may result in chemical burns. Potassium Fluoride May cause anemia. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. Contact may cause skin irritation with discomfort or rash. Contact may cause skin burns. May cause eye irritation with discomfort, tearing, or blurred vision. Toluene Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Chromosomal changes in the circulating blood of exposed workers have been reported. The significance of these reports is unclear because of exposure to other substances. Individuals with preexisting diseases of the central nervous system may have increased susceptibility to the toxicity of excessive exposures. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm. Zinc Oxide May cause

Section VI - Reactivity Data

Stability: Stable Incompatibility (materials to avoid): None reasonably foreseeable.

Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor. Wear a properly fitted airpurifying respirator with organic vapor cartridges (NIOSH approved TC-23C), eye protection, gloves and protective clothing. Confine and remove with inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C) and particulate filter (NIOSH TC-84A) during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper air purifying respirator fit is not possible, wear a positive pressure, supplied-air respirator (NIOSH TC-19C). In all cases, follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area.

painting area.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Desirable in all industrial situations. Include splash guards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F. Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation.

Section X - Other Information

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

PRODUCT CODE

INGREDIENTS (See Section II)

224S phosphoric acid (7%*), water, zinc oxide (2%*),
GAL WT: 8.81 WT PCT SOLIDS: 10.24 VOL PCT SOLIDS: 4.95
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0 H: 2 F: 1
R: 1 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

225S ethylene glycol monobutylether (14%*), octylphenoxypolyethoxyethanol surfactant, phosphoric acid (22%*), polassium fluoride, water GAL WT: 9.32 WT PCT SOLIDS: 26.34 VOL PCT SOLIDS: 15.74 SOLVENT DENSITY: 8.15 VOC LE: 3.9 VOC AP: 1.3 H: 2 F: 1 R: 1 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

226S chromic acid (1%*), water,
GAL WT: 8.37 WT PCT SOLIDS: 1.01 VOL PCT SOLIDS: 0.38
SOLVENT DENSITY: 8.32 VOC LE: 0.0
VOC AP: 0.0 H: 0 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA
STORAGE: IIIB

227S phosphoric acid (8%*), water, zinc oxide (2%*),
GAL WT: 8.79 WT PCT SOLIDS: 10.05 VOL PCT SOLIDS: 4.93
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0 H: 2 F: 1
R: 1 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

230S isopropyl alcohol, organofunctional ester,
GAL WT: 7.20 WT PCT SOLIDS: 55.00 VOL PCT SOLIDS: 50.39
SOLVENT DENSITY: 6.53 VOC LE: 3.2 VOC AP: 3.2 H: 3 F: 3
R: 2 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB

244S isopropyl alcohol, water, GAL WT: 7.31 WT PCT SOLIDS: 0.75 VOL PCT SOLIDS: 0.34 SOLVENT DENSITY: 7.28 VOC LE: 6.5 VOC AP: 3.8 H: 1 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

5717S ethylene glycol monobutylether (15%*), phosphoric acid (31%*), water, GAL WT: 9.64 WT PCT SOLIDS: 32.09 VOL PCT SOLIDS: 19.25 SOLVENT DENSITY: 8.11 VOC LE: 3.8 VOC AP: 1.5 H: 2 F: 2 R: 1 FLASH PT: BETWEEN 140 - 200 F (CC) OSHA STORAGE: IIIA 5718S nickel phosphate (0.5%*), phosphoric acid (7%*), water, zinc oxide (3%*), GAL WT: 8.85 WT PCT SOLIDS: 10.24 VOL PCT SOLIDS: 4.53 SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0 H: 2 F: 1 R: 1 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales

Prepared by D. G. Detweiler

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2

Hydrous Magnesium silicate 14807-96-6

1309-37-1

Iron oxide-A

MATERIAL SAFETY DATA SHEET



WATERBORNE PRODUCTS

Section	l - Manufa	cturer		Iron oxide	-В		
					1309-37-1	None	5 mg/m³-A
Manufactu DuPo	r er: ent Co.			Kaolin			10 mg/m³-O
Autor	notive			7 COMI	1332-58-7	None	10 mg/m³-A
Wilmi	ington, Delawa	ıre 19898		8 8 m m2 is some some			None-O
Telephone Produ	: uct_information	(800)441-7515		Medium m	ineral spirits 64742-88-7	None	400
Medic	cal emergency	(800) 441-3637				MOHE	100 ppm-D None-A,O
Trans	portation emer aterborne Prod	gency (800) 424-93	00 (CHEMTREC)	Methyl alc		400.0	•
OSHA Haza	rd Class: Co.	mbustible: Not Rec	ulated		67-56-1	100.0	200 ppm-A Skin
DO I Shippi	ng Name: Se	e DOT addendum				250 ppm	200 ppm-O -A Skin 15 min (STEL)
nazardous	materials int	ormation: See S	ection X.	n-Butoxyp	ronanol	200 ppm	-D Skin 8&12 hr TWA
Section I	ll - Hazard	ous Ingredie	-4-		5131-66-8	0.6	None-A,O
(See Seci		ous mgreate	1162	Nonionic s	surfactant Not Available	Unknown	•
(200 200)	uon A)			Nonylpher	oxypoly (ethylene	oxv) ethanol	None-A,O
		Vapor	,		9016-45-9 modified siloxane	None	None-A,O
Ingredients	CAS No.	Pressure	Exposure		Not Avaitable	Unknown	None-A,O
ingredients	CAS NO.	(20°C. mm Hg)	Limits *	Polyethyle	ne amine mixture		None-A,O
Acetone	67-64-1	184.0	500 ppm-A 8hr TWA		Not Available	Unknown	25 ppm-S
		750	1000 ppm-O 8hr TWA	Propylene	glycol butyl ether		None-A,O
A		750	ppm-A 15 min (STEL) 500 ppm-D 8&12 hr	Pronviene	57018-52-7 glycol methyl ether	4.8 @ 25°C	None-A,O
Acrylic polyn	ner √ot Available	None		· ropyrone	107-98-2	10.9@ 25°C	100 ppm-A
Aliphatic hyd	rocarbon/alipi	natic ester/surfacti	None-A,O ant			150	ppm-A 15 min(STEL)
Aliphatic solv	lot Available	0.2 @ 25°C	None-A _r O	Silica alum	ina ceramic		None-O
N.	lot Available	Unknown	None-A,O	Titanium di	Not Available	None	None-A,O
Ammonium h	iydroxide 1336-21-6	450.0 @ 15.5°C	None A.O.	· Kumam gr	13463-67-7	None	10 mg/m³-A,O
Aromatic hyd	drocarbon	, T	None-A,O				5 mg/m³-O Resp
Barium sulfat	64742-95-6 te	10.0 @ 25°C	None-A,O	VM&P napt			10 mg/m³-D
	7727-43-7	None	10 mg/m³-A Total Dust		64742-89-8	15 @ 37.8°C	300 ppm-A,O
			15 mg/m ³ -O Total Dust			4001	ppm-O 15 min(STEL) 100 ppm-D
			/m³-Ö Dust, 8 hr Resp 10 mg/m³-D 8 hr TWA	Water	7722 40 5		
Bisphenol A/	Epoxy, phenoli 88334-76-9	c resin		Wollastonit	7732-18-5 e	23.6	None-A,O
Bisphenol-epi	ichlorohydrin t	None voe polymer	None-A,O		13983-17-0	None	None-A,O
2	?5068-38-6	None	None-A,O				2 fibers/cc -D Resp 2 fibers/cc -D
block polyme	r(polyglycols) 25067-11-2	Unknown	None-A.O	Xylene	/		2 ilbers/cc -D
Calcium carbo	onate				1330-20-7	7.0 @ 25°C	100 ppm-A,O ppm-A 15 min(STEL)
	471-34-1	None	10 mg/m³-A 15 mg/m³-O				100 ppm-D 6&12 hr
Corbon blook			5 mg/m³-O Resp	Zinc phosp	hate	150	ppm-D 15 min TWA
Carbon black	1333-86-4	None	3.5 mg/m³-A,O		Not Available	None	10 mg/m³-A
		140016	5.5 mg/m²-D .5 mg/m³-D	1 2 4-Trime	thy! benzene	<i>*</i>	None-O
Cumene Dipropropylen	98-82-8 e glycol mono	3.7	50 ppm-A,Ö Skin		95-63-6	7.0 @ 44.4°C	25 ppm-A,O
2	9911-28-2	Unknown	None-A,O	2-propoxye	thanol 2807-30-9		•••
Ethylene glyco	ol monobutyl e 111-76-2	ther 0.6 /			-001-00-0	1.3 @ 25°C	25 ppm-S Skin
	111-70-2	0.0	25 ppm-A Skin 50 ppm-O Skin	A = ACC	UTULO COUL		None-A,O
Formaldehyde		7	10 ppm-D Skin	A = ACG	H TLV; O = OSHA; limit; STEL = Shor	ປ = DuPont inten	nal limit; S = Supplier
· omalocityde	50-00-0	Unknown	0.3 ppm-A Ceiling	· annanet	ni,	- reiiii ⊏xposure i	Lurut, C = Ceiting.
	-		0.7 ppm-Ō	Section	III - Physical	Data	
		2	ppm-O 15 min(STEL) 1 ppm-D 8&12 hr	_			
Huden Ada		:	2 ppm-D 15 min TWA		tion rate: Less tha ensity: Heavier tha		
Hydrous Magr	resium silicate				rinaity. Heavier and		

2 mg/m³-A Resp None-O

.5 mg/m³-D Resp

None-A,O

None

None

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible Percent volatile by volume: 60.5% - 100.0% Percent volatile by weight: 46% - 100% Boiling range: 54° C-232° C/129°F-450°F Gallon weight: 8.09 - 11.01 lb/gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.2% - 23%

Extinguishing media: Universal aqueous film-forming foam.

carbon dioxide, dry chemical,

Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.

Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at

temperatures below the flash point.

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING.

Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Specific Effects:

Acrylic Polymer Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or biurred vision. Aromatic Hydrocarbon Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Bisphenol-Epichlorohydrin Type Polymer Repeated exposure may cause allergic skin rash, itching, swelling. Carbon Black Is an IARC, NTP or OSHA carcinogen. Ethylene Glycol Monobutylether Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone amounts. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Formaldehyde Repeated exposure may cause allergic skin rash, itching, swelling. Causes severe eye irritation. Formaldehyde has produced tumors in the passe passence of laboratory animals when itching, swelling. Causes severe eye initiation. Formationy of his produced tumors in the nasal passages of laboratory animals when exposed to high concentrations for a two year period. Epidemiology studies conducted to date have not found evidence or formation. studies conducted to date have not found evidence of formaldehyde related tumor induction in humans. May induce pulmonary sensitization or significant irritation of the respiratory airways. Is an IARC, NTP or OSHA carcinogen. Has shown mutagenic activity in laboratory cell culture tests. WARNING: This chemical is known to the State of California to cause cancer. Hydrous Magnesium Silicate Repeated and prolonged overexposure to talc may lead to typical x-ray changes and chronic lung disease. Medium Mineral Spirits & VM&P Naphtha Laboratory studies with rats have shown that petroleum distillates can cause kidney dange and kidney or liver tumors. These effects were not seen in similar and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Methyl Alcohol Excessive human exposure to methanol may lead to: fatigue, headache, anaesthetic, neurologic effects, and visual difficulties including blindness or death. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Nonionic Surfactant Contact may cause skin irritation with discomfort or rash. Causes eye corrosion and permanent injury, Nonylphenoxypoly(Ethyleneoxy)Ethanol Liquid splashes in the eye may result in chemical burns. Propylene Glycol Methyl Ether Overexposure may lead to kidney, liver and lung damage. Individuals with preexisting diseases of the liver may have increased susceptibility to the toxicity of excessive exposures. Can be absorbed through the skin in harmful amounts. Titanium propylene in the first increase in the latest through the skin in harmful amounts.

Dioxide In a lifetime inhalation test, lung cancers were found in

some rats exposed to 250 mg/m3 respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m3 level are not relevant to the workplace. Xylene Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Individuals with pre-existing disease of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/ embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. 2-Propoxyethanol-A Can be absorbed through the skin in harmful amounts. May destroy red blood cells. Overexposure may cause damage to the kidneys, spleen and liver based on studies with laboratory animals. Has been toxic to the fetus in laboratory animals. at doses that are toxic to the mother.

Section VI - Reactivity Data

Stability: Stable Incompatibility (materials to avoid): None reasonably foreseeable.

Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C), eye protection, gloves and protective clothing. Confine and remove with inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C) and particulate filter (NIOSH TC-84A) during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper air purifying respirator fit is not possible, wear a positive pressure, supplied-air respirator (NIOSH TC-19C). In all cases, follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits

Protective clothing: Neoprene gloves and coveralls are recom-

Eye protection: Desirable in all industrial situations. Include splash guards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120° F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation.

Section X - Other Information

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Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

PRODUCT CODE: Ingredients(See section II)

210S acrylic polymer, carbon black, ethylene glycol monobutylether (1%*), hydrous magnesium silicate, methyl alcohol (2%*), titanium GAL WT: 10.80 WT PCT SOLIDS: 45.91 VOL PCT SOLIDS: 28.46 SOLVENT DENSITY: 8.17 VOC LE: 1.6 VOC AP: 0.6 H: 1 F: 2 R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

2125S acrylic polymer, barium sulfate, carbon black, dipropylene glycol monobutyl ether, hydrous magnesium silicate, kaolin, nbutoxypropanol, titanium dioxide, water
GALWT: 10.37 WT PCT SOLIDS: 46.36 VOL PCT SOLIDS: 32.01
SOLVENT DENSITY: 8.18 VOC LE: 1.6 VOC AP: 0.7 H: 1 F: 2
R: 0 FLASH PT: BETWEEN 140 - 200 F (CC) OSHA STORAGE: IIIA

2140S acrylic polymer, ammonium hydroxide, barium sulfate, dipropylene glycol monobutyl ether, ethylene glycol monobutylether (1%*), hydrous magnesium silicate, iron oxide-a, kaolin, n-(1%), hydroda inagiresion sincare, non oxide-a, navin, irbutoxypropanol, water
GALWT: 10.50 WT PCT SOLIDS: 46.02 VOL PCT SOLIDS: 30.66
SOLVENT DENSITY: 8.17 VOC LE: 1.8 VOC AP: 0.7 H: 1 F: 2
R: 0 FLASH PT: BETWEEN 140 - 200 F (CC) OSHA STORAGE: IIIA

2220S acrylic polymer, calcium carbonate, dipropylene glycol monobutyl ether, ethylene glycol monobutylether (3%*), hydrous magnesium silicate, iron oxide-b, methyl alcohol (2%*), titanium

dioxide, water
GAL WT: 10.91 WT PCT SOLIDS: 47.73 VOL PCT SOLIDS: 30.06
SOLVENT DENSITY: 8.15 VOC LE: 1.9 VOC AP: 0.8 H: 1 F: 2
R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

ethylene glycol monobutylether (6%*), polyether modified 24055 ethylene glycol monobutyletiller (5%), polyetiler incomed siloxane (1%*), polyethylene amine mixture, propylene glycol butyl ether, water, 2-propoxyethanol (13%*)
GAL WT: 8.36 WT PCT SOLIDS: 21.63 VOL PCT SOLIDS: 18.33
SOLVENT DENSITY: 8.02 VOC LE: 4.5 VOC AP: 2.1 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

2407S ethylene glycol monobutylether (6%*), polyethylene amine mixture, propylene glycol butyl ether water,2-propoxyethanol(14%*) GAL WT: 8.36 WT PCT SOLIDS: 20.68 VOL PCT SOLIDS: 17.39 SOLVENT DENSITY: 8.03 VOC LE: 4.6 VOC AP: 2.1 H: 3 F: 2 R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

bisphenol a/epoxy, phenolic resin, bisphenol-epichlorohydrin type polymer, carbon black, hydrous magnesium silicate, silicaoffit type polymer, carbon black, nydrous magnesium silicate, silicatellumina ceramic (7%*), titanium dioxide, water, wollastonite, zinc phosphate (5%*), 2-propoxyethanol (4%*)
GAL WT: 11.01 WT PCT SOLIDS: 53.82 VOL PCT SOLIDS: 38.05
SOLVENT DENSITY: 8.21 VOC LE: 1.4 VOC AP: 0.6 H: 2 F: 2
R: 0 FLASH PT: BETWEEN 140 - 200 F (CC) OSHA STORAGE: IIIA

bisphenol a/epoxy, phenolic resin, bisphenol-epichlorohydrin type polymer, carbon black, ethylene glycol monobutylether (1%°), hydrous magnesium silicate, silica alumina ceramic, titanium dioxide, water, wollasionite, zinc phosphate (9%°), 2-propoxyethanol (4%°) GAL WT: 10.93 WT PCT SOLIDS: 54.50 VOL PCT SOLIDS: 39.41 SOLVENT DENSITY: 8.21 VOC LE: 1.4 VOC AP: 0.7 H: 2 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

285S ethylene glycol monobutylether (2%*), hydrous magnesium silicate, polyethylene amine mixture, propylene glycol methyl ether, GAL WT: 10.77 WT PCT SOLIDS: 42.25 VOL PCT SOLIDS: 23.64 SOLVENT DENSITY: 8.15 VOC LE: 3.3 VOC AP: 1.4 H: 3 F: 2 R: 1 FLASH PT: BETWEEN 140 - 200 F (CC) OSHA STORAGE: IIIA

3909S aliphatic solvent mixture, water,
GAL WT: 8.30 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 8.30 VOC LE: 8.1 VOC AP: 0.5 H: 2 F: 1
R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

3929S aromatic hydrocarbon, block polymer (polyglycols), cumene (0-1%*), formaldehyde (0.1%*), medium mineral spirits, culmente (0-1%), formatidenyole (0.1%), medium minierai spirits, nonylphenoxypoly(ethyleneoxy)ethanol, vm&p naphtha, water, xylene (1-2%), 1,2,4-trimethyl benzene (1-5%*)
GAL WT: 8.09 WT PCT SOLIDS: 7.71 VOL PCT SOLIDS: 7.29
SOLVENT DENSITY: 8.05 VOC LE: 5.0 VOC AP: 1.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB

3949S aliphatic hydrocarbon/aliphatic ester/surfactant, water, GAL WT: 8.25 WT PCT SOLIDS: 0.14 VOL PCT SOLIDS: 0.15 SOLVENT DENSITY: 8.25 VOC LE: 6.9 VOC AP: 0.4 H: 0 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: HIB

acetone, aromatic hydrocarbon, barium sulfate, bisphenol a/ 952S acetone, aromatic hydrocarbon, barium sulfate, bisphenol all epoxy, phenolic resin, carbon black, ethylene glycol monobutylether (3%*), hydrous magnesium silicate, methyl alcohol (1%*), nonionic surfactant, water, 1,2,4-trimethyl benzene (0-1%*), 2-propoxyethanol (3%*) GAL WT: 10.08 WT PCT SOLIDS: 45.59 VOL PCT SOLIDS: 30.90 SOLVENT DENSITY: 7.94 VOC LE: 2.4 VOC AP: 1.1 H: 2 F: 2 R: 0 FLASH PT: BETWEEN 140 - 200 F (CC) OSHASTORAGE: IIIA

ethylene glycol monobutylether (6%*), nonionic surfactant, polyethylene amine mixture, propylene glycol methyl ether, water, 2propoxyethanol (14%*)
GAL WT: 8.40 WT PCT SOLIDS: 22.02 VOL PCT SOLIDS: 18.64
SOLVENT DENSITY: 8.05 VOC LE: 4.6 VOC AP: 2.2 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales

Prepared by D. G. Detweiler

MATERIAL SAFETY DATA SHEET



CHROMAPREMIER SYSTEM

Section I - Manufa	cturer		Not Available	None	5 3 A B
Manufacturer:	otare:		Not / Wallable	Notic	.5 mg/m³-A Cr 10 mg/m³-O Dust 1 mg/m³-A Cr Ceiling
DuPont Co.					15 mg/m³-O Dust Ceiling
Automotive	40000		Diethylene glycol monobutyl		5
Wilmington, Delawar Telephone:	e 19898		112-34-5	0.1	5 ppm-D
Product information	(800)441,7515		Diisobutyl ketone		None-A,O
Medical emergency ((800) 441-3637		108-83-8	1.7	25 ppm-A
Transportation emerc	iency (800) 404.01	300 (CHEMTREC)			50 ppm-O
Product: Unroma Premier :	System (Balancer	s, Binders).	Ethyl acetate		• •
OSHA Hazard Class: Flam DOT Shipping Name: See	mable liquid		141-78-6 Ethyl 3-ethoxy propionate	76 .0	400 ppm-A,O
Hazardous Materials Info	rmation: See Se	ection Y	763-69-9	Unknowr	n None-A,O
		ouoir X.	Ethylbenzene	7.0	100 ppm-A,O
Section II - Hazardo	us Ingredier	nte	100-41-4		125 ppm-A 15 min(STEL)
(See Section X)	as mgrouid	11.0	Green-purple pigment		25 ppm-D 8&12 hr
(See Section X)			Not Available	None	.5 mg/m³-A Cr
	Vapor				10 mg/m³-O Dust
_	Pressure	Exposure			1 mg/m³-A Cr Ceiling
IngredientsCAS No.	(20°C. mm Hg)	Limits	Hexyl acetate isomers		15 mg/m³-O Dust Ceiling
Acetic Acid Ester 90438-79	0 t leten		88230-35-7	0.7	50 ppm-A Hexyl Acet
Acetic Acid Ester 90430-79	-2 Unknown	None-A,O	M 4		None-Q
Acetone 67-64-1	184.0	500 ppm-A 8hr TWA	Hydrous magnesium silicate		
		1000 ppm-O 8hr TWA	14807-96-6	None	2.0 mg/m³-A Resp
•	750	ppm-A 15 min (STEL)			None-O 0.5 mg/m³-D Resp
Acrylic polymer A		500 ppm-D 8&12 hr	Isobutyl acetate		o.o mg.m ·b nesp
96591-17-2	None	None-A,O	110-19-0 Isobutyi alcohol	12.5	150 ppm-A,O
Acrylic polymer B			78-83-1	10.0	50 ppm-A
Not Available Acrylic polymer C	None	None-A,O			100 ppm-O
Not Available	None	None-A,O	Isopropyl alcohol		• •
Acrylic polymer D		Hone A	£7-63-0 /	33.0	400 ppm-A,O
None Acrylic polymer E	None	None-A,O			500 ppm-A 15 min (STEL) 400 ppm-D 8&12 hr
Not Available	None	None A O	Ketone solvent	_	
Acrylic polymer F	110110	None-A,O	71808-49-6 Medium mineral spirits	5.8 @ 0°C	None-A,O
63150-02-7	None	None-A,O	64742-88-7	None	100 nnm D
Aliphatic polyamine Not Available	Unknown	N 1 0			100 ppm-D None-A,O
		None-A,O	Melamine resin		<u>.</u>
Aliphatic polyisocyanate res.	in		Not Available Methyl amyl ketone	None	None-A,O
28182-81-2	None	0.5 mg/m³-S	110-43-0	2.2	50 ppm-A
	1.0 n	ng/m³-S 15 min(STEL) None-A,O	Adothyd othyd tasaa		100 ppm-O
Aromatic hydrocarbon		None-A,O	Methyl ethyl ketone 78-93-3	71.0	200 1 0
64742-95-6 Barium Sulfate	10.0 @ 25°C	None-A,O	.0-50-5/		200 ppm-A O 300 ppm-A 15 min(STEL)
7727-43-7	None 1	10 mg/m³-A Total Dust			200 ppm-D 8&12 hr TWA
		15 mg/m³-O Total Dust	Methyl isoamyl ketone		300 ppm-D 15 min TWA
	5 mg/	/m³-O Dust, 8 hr Resp	110-12-3	4.5	50 ppm-A
Benzene,1-chloro-4 (trifluoro	methyl)	10 mg/m³-D 8 hr			None-O
98-56-6	5.3	25 ppm-S Ceiling	Methyl isobutyl carbinol 108-11-2		
Bin(4.0.0.0.0		None-4 Õ	100-11-2	2.2	25 ppm-A,O Skin 40 ppm-A 15 min(STEL)
Bis(1,2,2,6,6pentmethyl-4-p 41556-26-7		te	Methyl isobutyl ketone		40 ppn-x 13 mm(S1EE)
Butyl acetate	6.0	None-A,O	108-10-1	15.0	50 ppm-A
123-86-4	8.0	150 ppm-A,O	•		100 ppm-O
Calcium carbonate	200	ppm-A 15 min(STEL)	n-butyl alcohol		75 ppm-A 15 min(STEL)
471-34-1	None	40 (3 4	71-36-3 /	5.5	50 ppm-A C.Skin
	HOUSE	10 mg/m³-A 15 mg/m³-O	1		100 ppm-O
Coshee blook		5 mg/m³-O Resp			25 ppm-D 50 ppm-D 15 min TWA
Carbon black 1333-86-4	None	25	n-pentyl propionate		30 ppin-D 13 min 144A
	None	3.5 mg/m³-A,O .5 mg/m³-D	624-54-4	1.2	None-A,O
Cellulose acetate butyrate	•-	.omgan -D	Oxo-octyl acetate 108419-32-5	1.0 @ 25°C	50 nnm C
9004-36-8 Curnene 98-82-8	None 3.7	None-A,O		w 20 C	50 ppm-S None-A,O
Cyan-purple pigment	3.1	50 ppm-A,O Skin	Perylene pigment	A1.	
			128-69-8	None	10 mg/m³-A None-O
					None-O

Potroloum	nanhtha		
Petroleum	64742-89-8	50.0 @ 25°C	300 ppm-A,O 400 ppm-O 15 min(STEL) 100 ppm-D
Phthalocy	anine green pigment 1328-53-6	None	10 mg/m³-A 15 mg/m³-O
Polyester	resin A 35561-07-0	None	5 mg/m³-O Resp None-A,O
Polyester		None	
Polyethyle	ne/vinyl acetate Not Available	None	None-A,O
Primary a	myl acetate 628-63-7	4.0	None-A,O
Propionic	acid, n-butyl ester 590-01-2	3.4 @ 25°C	100 ppm-A,O
Propylene	glycol monomethyl 108-65-6	ether acetate 3.7	None-A,O
Quinacride	one pigment	A.L.	10 ppm-D
	1047-16-1	None	10 mg/m³-A 15 mg/m³-O
Red/gold p	oigment Not Available	None	5 mg/m³-Ŏ Resp .5 mg/m³-A Cr
Silvariara	en pigment		10 mg/m³-O Dust 1.0 mg/m³-A Cr Ceiling 15 mg/m³-O Dust Ceiling
Silverigies	Not Available	None	.5 mg/m³-A Cr 10 mg/m³-O Dust 1.0 mg/m³-A Cr Ceiling 15 mg/m³-O Dust Ceiling
Titanium d		.	•
	13463-67-7	None	10 mg/m³-A,O 5 mg/m³-O Resp 10 mg/m³-D
Toluene	108-88-3	36.7	50 ppm-A Skin
	,	00	200 ppm-O 300 ppm-O Ceiling 500 ppm-O 10 min MAX
VM&P Nar			50 ppm-D 8&12 hr TWA
	64742-89-8	15.0 @ 37.	400 ppm-O 15 min(STEL)
Xylene	1330-20-7	7.0 @ 25°0	100 ppm-D C 100 ppm-A,O I50 ppm-A 15 min(STEL) 100 ppm-D 8&12 hr
Zinc phos	nhate		150 ppm-D 15 min TWA
p	7779-90-0	None	10 mg/m³-A 15 mg/m³-O 5 mg/m³-O Resp
1,2,4-Trim	ethyl benzene 95-63-6	70@444	
1,6-hexam	ethylene diisocyana 822-06-0	7.0 @ 44.4 te Unknown	-
2(2'shydro	xy-3.5'-diteramylphe		5 ppb-A None-O
Z(Z-Hyūlo	25973-55-1	Unknown	None-A,O

A = ACGIH TLV; O = OSHA; D = DuPont internal limit; S = Supplier Furnished limit; STEL = Short Term Exposure Limit; C = Ceiling.

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible Percent volatile by volume: 41.6%- 100.00% Percent volatile by weight: 33.11 -100.0% Boiling range: 54°C- 245°C/129°F- 473°F Gallon weight: 6.61 - 12.87 lb/gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.8%- 11.5% Extinguishing media: Universal aqueous film-forming foam, carbon dioxide, dry chemical. Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.

Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING. Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function which may be permanent. Individuals with breathing problems or prior reaction to isocyanates must not be exposed to vapors or spray mist of this product. If affected by inhalation of vapor or spray mist, remove to

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

fresh air. If breathing difficulty persists, or occurs later, consult a

physician.

Specific Effects:
ACETIC ACID ESTER Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Over exposure may cause eye, nose and throat irritation. Repeated or prolonged liquid contact may cause skin irritation and dermatitis. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. ACRYLIC POLYMER-D Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. ALIPHATIC POLYISOCYANATE RESIN Repeated exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

AROMATIC HYDROCARBON Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERDINYL) SEBACATE Repeated exposure may cause allergic skin rash, itching, swelling. BUTYL ACETATE May cause abnormal liver function. Tests for embryotoxic activity in animals has been inconclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. CARBON BLACK is an IARC, NTP or OSHA carcinogen. DIETHYLENE GLYCOL MONOBUTYL ETHER Contact may cause skin irritation with discomfort or rash. Recurrent overexposure may result in liver and kidney injury. High doses in laboratory animals have shown non specific effects such as irritation, weight loss moderate blood changes. Tests for mutagenic activity in bacterial or mammalian cell cultures have been inconclusive. DIISOBUTYL KETONE Extremely high oral and inhalation doses in laboratory animals have shown weight changes in various organs such as the liver, kidney, brain, heart and adrenal gland. In addition liver and kidney injury were observed at the extremely high inhalation level. In another inhalation study there was a slight depression in the white blood cell count. Repeated exposure may cause allergic skin rash, itching, swelling. ETHYL ACETATE Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs. ETHYL 3-ETHOXY PROPIONATE Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. ETHYLBENZENE Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive.

embryotoxic and developmental effects. Has shown mutagenic activity in laboratory cell culture tests. Tests in some laboratory animals demonstrate carcinogenic activity. Individuals with preexisting diseases of the central nervous system, lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures. HYDROUS MAGNESIUM SILICATE Repeated and prolonged overexposure to talc may lead to typical xray changes and chronic lung disease. ISOBUTYL ALCOHOL Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. Tests in laboratory animals have shown bone marrow and liver effects. May cause abnormal fiver function. May cause irritation of the mucous membranes. ISOPROPYL ALCOHOL Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. KETÓNE SOLVENT Inhalation overexposure may cause lung injury, fluid in the lung, and difficulty in breathing. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. High doses in laboratory animals have shown non specific effects such as irritation, weight loss, moderate blood changes. MEDIUM MINERAL SPIRITS & PETROLEUM NAPHTHA Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. MELAMINE RESIN This chemical is a formaldehyde donor. Formaldehyde is an IARC, NTP or OSHA carcinogen and has shown mutagenic activity in laboratory cell culture tests. Formaldehyde has produced tumors in the nasal passages of laboratory animals when exposed to high concentrations for a two year period. Epidemiology studies conducted to date have not found evidence of formaldehyde related tumor induction in humans. WARNING: This chemical is known to the State of California to cause cancer. METHYL AMYL KETONE Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. METHYL ETHYL KETONE High concentrations have caused embryoloxic effects in laboratory animals. Methyl ethyl ketone has been demonstrated to potentiate (i.e., shorten the time of onset) the peripheral neuropathy caused by either n-hexane or methyl n-butyl ketone. MEK by itself has not been demonstrated to cause peripheral neuropathy. Liquid splashes in the eye may result in chemical burns. METHYL ISOAMYL KETONE Extremely high oral doses in laboratory animals have shown weight changes in various organs such as the liver, kidney and adrenal gland. In addition liver injury was observed.

METHYL ISOBUTYL CARBINOL Male rats exposed to very high airborne levels showed an increase in kidney weights. These effects were not seen in male rats exposed to lower concentrations, or in female rats at the same level. Liquid splashes in the eye may result in chemical burns. Extremely high concentrations have caused blood changes and weakness in laboratory animals.

METHYL ISOBUTYL KETONE Recurrent overexposure may result in liver and kidney injury. Individuals with preexisting diseases of the central nervous system or lungs may have increased susceptions. bility to the toxicity of excessive exposures. N-BUTYL ALCOHOL Liquid splashes in the eye may result in chemical burns. May cause abnormal blood forming function with anemia. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. N-PENTYL PROPIONATE Repeated or excellenced liquid contest may eause skin intriction with disconfedt. prolonged liquid contact may cause skin irritation with discomfort and dermatitis. May cause eye irritation with discomfort, tearing, or blurred vision. Material is irritating to mucous membranes and upper respiratory tract.

PRIMARY AMYL ACETATE Recurrent overexposure may result in liver and kidney injury. PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE May cause moderate eye burning. Recurrent overexposure may result in liver and kidney injury. TITANIUM DIOXIDE in a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m3 respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m3 level are not relevant to the workplace. TOLUENE Recurrent overexposure may result in liver and kidney injury. High airborne levels have may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Chromosomal changes in the circulating blood of exposed workers have been reported. The significance of these reports is unclear because of exposure to other substances. Individuals with preexisting diseases of the central nervous system may have increased susceptibility to the toxicity of excessive exposures. WARNING: This chemical is known to the State of exposures. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm. VM&P NAPHTHA Laboratory studies with rats have shown that

petroleum distillates can cause kidney damage and kidney or liver

turnors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. XYLENE Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Individuals with preexisting disease of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The signifi-cance of these effects to humans is not known. 1,6-HEXAMETHYLENE DIISOCYANATE May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

Section VI - Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Water, amines, metal salts Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Do not breathe vapors. Do not get in eyes and on skin. Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C), eye protection, gloves and protective clothing. Pour liquid decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are:

20% Surfactant (Tergitol TMN 10) and 80% Wager OR

0-10% Ammonia, 2-5% Detergent and Water (balance)

Confine and remove with inert absorbent. Pressure can be generated. Do not seal container. After 48 hours, material may be sealed and disposed of properly.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a positivepressure, supplied air respirator (NIOSH approved TC-19C), while mixing activator with paint, during application and until all vapors and spray mists are exhausted. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area. Refer to the hardener/activator label instructions for further

information.

Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to this product if mixed with isocyanate activators/hardeners.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits

Protective clothing: Neoprene gloves and coveralls are recom-Eye protection: Desirable in all industrial situations. Include splash

guards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation.

Section X - Other Information

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

PRODUCT CODE

INGREDIENTS (See Section II)

12305S aliphatic polyisocyanate resin, hexyl acetate isomers. propylene glycol monomethyl ether acetale, toluene (7%*), 1,6propylene glycol monometryl etner acetale, toluene (170), 1,0-hexamethylene diisocyanate (<0.2%*)
GAL WT: 8.82 WT PCT SOLIDS: 64.40 VOL PCT SOLIDS: 58.39
SOLVENT DENSITY: 7.55 VOC LE: 3.1 VOC AP: 3.1 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 12365S butyl acetate, ethylbenzene (2-5%*), methyl ethyl ketone (25%*), toluene (15%*), xylene (15-18%*), GAL WT: 7.12 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.12 VOC LE: 7.1 VOC AP: 7.1 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB T. O'LASHP!: BETWEEN 20-73 F (CC) OSHA STORAGE: IB
12375S butyl acetate, ethylbenzene (2-6%*), methyl amyl ketone,
methyl isobutyl ketone (10%*), xylene (18-23%*)
GAL WT: 7.08 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.08 VOC LE: 7.1 VOC AP: 7.1 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC
12385S ethylbenzene (1-4%*), hexyl acetate isomers, methyl amyletone. ketone, propylene glycol monomethyl ether acetate, xylene (11-Have the property of the prope propionate, hexyl acetate isomers, oxo-octylacetate, xylene (0propionate, nexyl acetate isomers, oxo-ociylacetate, Aylerie (0-1%), 1,2,4-trimethyl benzene (3-14%*)
GALWT: 7.37 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.37 VOC LE: 7.4 VOC AP: 7.4 H: 2F: 2
R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II 42410S acrylic polymer-f. butyl acetate, calcium carbonate, ethylbenzene (3%*), hexyl acetate isomers, hydrous magnesium silicate, isobutyl acetate, methyl amyl ketone, propylene glycol monomethyl ether acetate, titanium dioxide, xylene (13%*), zinc phosphate (9%*)
GAL WT: 13.35 WT PCT SOLIDS: 68.16 VOL PCT SOLIDS: 41.32
SOLVENT DENSITY: 7.24 VOC LE: 4.2 VOC AP: 4.2 H: 2F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 42440S acrylic polymer-f, barium sulfate, butyl acetate, calcium carbonate, carbon black, ethylbenzene (3%*), hexyl acetate isomers, hydrous magnesium silicate, methyl amyl ketone, propylene glycol monomethyl ether acetate, titanium dioxide, xylene (14%*), zinc phosphate (9%* GAL WT: 12.89 WT PCT SOLIDS: 67.04 VOL PCT SOLIDS: 41.35 SOLVENT DENSITY: 7.24 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 42455S aliphatic polyamine, butyl acetate, ethyl acetate, ethylbenzene (0-2%*), toluene (25%*), xylene (6-7%*)
GALWT: 7.33 WT PCT SOLIDS: 17.55 VOL PCT SOLIDS: 17.76
SOLVENT DENSITY: 7.35 VOC LE: 6.0 VOC AP: 6.0 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 42470S acrylic polymer-f, barium sulfate, butyl acetate, calcium carbonate, carbon black, ethylbenzene (3%*), hexyl acetate isomers, hydrous magnesium silicate, isobutyl acetate, methyl amyl ketone, propylene glycol monomethyl ether acetate, titanium dioxide, sylene (13%*), zinc phosphate (9%*)
GALWT: 12.87 WT PCT SOLIDS: 66.89 VOL PCT SOLIDS: 41.24
SOLVENT DENSITY: 7.25 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 42475S aliphatic polyamine, hexyl acetate isomers, propylene glycol monomethyl ether acetate. GAL WT: 7.68 WT PCT SOLIDS: 17.55 VOL PCT SOLIDS: 18.60 SOLVENT DENSITY: 7.78 VOC LE: 6.3 VOC AP: 6.3 H: 3 F: 2 R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II 42495S aliphatic polyamine, ethyl 3-ethoxy propionate, hexyl alignatic polyamine, etnyl 3-etnoxy propionate, nexyl acetate isomers, propylene glycol monomethyl ether acetate GAL WT: 7.53 WT PCT SOLIDS: 17.54 VOL PCT SOLIDS: 18.21 SOLVENT DENSITY: 7.59 VOC LE: 6.2 VOC AP: 6.2 H: 3 F: 2 R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II 52320N acrylic polymer-c, bis(1,2,2,6,6-pentamethyl-4-piperdinyl)

sebacate, diethylene glycol monobutyl ether (3%*), ethyl acetate. methyl amyl ketone, methyl ethyl ketone (10%*), propylene glycol monomethyl ether acetale, xylene (0-1%*)
GAL WT: 7.98 WT PCT SOLIDS: 52.24 VOL PCT SOLIDS: 45.06
SOLVENT DENSITY: 6.94 VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 52330N acrylic polymer-c, butyl acetate, methyl amyl ketone, methyl ethyl kelone (9%*), propylene glycol monomethyl ether acetate, xylene (0-1%*)
GAL WT: 7.91 WT PCT SOLIDS: 46.02 VOL PCT SOLIDS: 38.76
SOLVENT DENSITY: 6.97 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 62320F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (2-6%*), melamine resin, polyester resin-a, polyethylethylbenzene (z-owo), meranilie resin, polyester resin a, polyester resin and polyeste 62330F acetone, butyl acetate, cellulose acetate butyrate, 62330F acetone, buttyl acetate, certainse acetate unitylate, ethylbenzene (2-6%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, xylene (17-21%*)
GAL WT: 7.54 WT PCT SOLIDS: 21.85 VOL PCT SOLIDS: 17.58
SOLVENT DENSITY: 7.15 VOC LE: 5.8 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB 7155S acetone, hexyl acetate isomers, isopropyl alcohol, primary amyl acetale, toluene (13%*), vm&p naphtha
GAL WT: 6.68 WT PCT SOLIDS: 0.19 VOL PCT SOLIDS: 0.14
SOLVENT DENSITY: 6.68 VOC LE: 6.9 VOC AP: 2.8 H: 2F: 3 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB butyl acetate, ethyl 3-ethoxy propionate, ethylbenzene (1%*), isopropyl alcohol, methyl amyl ketone, methyl ethyl ketone (18%*), petroleum naphtha, toluene (12%*), xylene (5%*)
GAL WT: 6.61 WT PCT SOLIDS: 0.17 VOL PCT SOLIDS: 0.13
SOLVENT DENSITY: 6.61 VOC LE: 6.6 VOC AP: 6.6 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 7175S acetone, butyl acetate, ethylbenzene (2%*), isopropyl alcohol, methyl amyl ketone, methyl isobutyl ketone (6%*), petroleum naphtha, propionic acid, n-butyl ester, toluene (2%*), vm&p naphtha. xylene (7%°)
GAL WT: 6.64 WT PCT SOLIDS: 0.17 VOL PCT SOLIDS: 0.13 SOLVENT DENSITY: 6.64 VOC LE: 6.6 VOC AP: 6.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 7185S acetic acid ester, aromatic hydrocarbon, medium mineral spirits, methyl amyl ketone, methyl isobutyl carbinol, vm&p naphtha, GAL WT: 6.65 WT PCT SOLIDS: 0.17 VOL PCT SOLIDS: 0.13 SOLVENT DENSITY: 6.65 VOC LE: 6.6 VOC AP: 6.6 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 71955 diisobutyl ketone, ketone solvent, methyl isoamyl ketone, n-butyl alcohol(10%*), n-pentyl propionate, vm&p naphtha.xylene (1%*) GAL WT: 6.66 WT PCT SOLIDS: 0.17 VOL PCT SOLIDS: 0.13 SOLVENT DENSITY: 6.66 VOC LE: 6.6 VOC AP: 6.6 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 72200S acetone, acrylic polymer-b, acrylic polymer-d, benzene, 1-chloro-4 (trifluoromethyl), bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, ethylbenzene (2-7%*), methyl ethyl ketone (10%*), methyl isobutyl ketone (2%*), polyester resin-b, xylene (20-25%*), 2(2'hydroxy-3,5'-diteramylphenyl)benzotriazole
GAL WT: 8.16 WT PCT SOLIDS: 54.03 VOL PCT SOLIDS: 48.03
SOLVENT DENSITY: 7.22 VOC LE: 3.5 VOC AP: 3.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
72400S acrylic polymer-e, bis(1,2,2,6,6-pentamethyl-4-piperdinyl)
sepacets bittle postato obtained (2,7,8) methyl acrylic polymer-e, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) actylic polymer-e, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, ethylbenzene (2-7%*), methyl amyl ketone, methyl ethyl ketone (5%*), polyester resin-b, xylene (21-25%*), 2(2-hydroxy-3,5'-diteramylphenyl)benzotriazole GAL WT: 8.16 WT PCT SOLIDS: 59.40 VOL PCT SOLIDS: 53.50 SOLVENT DENSITY: 7.12 VOC LE: 3.3 VOC AP: 3.3 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK700F acetone, butyl acetate, cellulose acetate butyrate, cyan-purple pigment (3%*), ethylbenzene (2-6%*), isobutyl alcohol. melamine resin, polyester resin-a, polyethylene/vinyl acetate, xylene (16-20%*) GAL WT: 7.71 WT PCT SOLIDS: 24.06 VOL PCT SOLIDS: 18.08 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB acetone, butyl acetate, cellulose acetate butyrate, cyanpurple pigment (2%*), ethylbenzene (4%*), isobutyl alcohol. melamine resin, polyester resin-a, polyethylene/vinyl acetate, xylene GALWT: 7.67 WT PCT SOLIDS: 23.95 VOL PCT SOLIDS: 18.41 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB acetone, butyl acetate, cellulose acetate butyrate, cyanpurple pigment (2%*), ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, xylene (19%*)

GAL WT: 7.71 WT PCT SOLIDS: 24.29 VOL PCT SOLIDS: 18.34 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK703F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, cyan-purple pigment (2%*), ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl GAL WT: 7.68 WT PCT SOLIDS: 24.40 VOL PCT SOLIDS: 18.85 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB KK704F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, cyan-purple pigment (2%*), ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, quinacridone pigment, xylene (23%*)
GAL WT: 7.77 WT PCT SOLIDS: 26.72 VOL PCT SOLIDS: 20.50
SOLVENT DENSITY: 7.16 VOC LE: 5.6 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK705F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, cyan-purple pigment (2%*), ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl GAL WT: 7.70 WT PCT SOLIDS: 24.66 VOL PCT SOLIDS: 18.89 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK720F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (2-6%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, red/gold pigment (2%*), xylene (16-20%*)
GAL WT: 7.67 WT PCT SOLIDS: 23.50 VOL PCT SOLIDS: 17.90
SOLVENT DENSITY: 7.15 VOC LE: 5.8 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT. BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK721F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, red/gold pigment (2%*), xylene GAL WT: 7.68 WT PCT SOLIDS: 23.83 VOL PCT SOLIDS: 18.17 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK722F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, red/gold pigment (2%*), xylene GAL WT: 7.69 WT PCT SOLIDS: 23.78 VOL PCT SOLIDS: 18.04 SOLVENT DENSITY: 7.15 VOC LE: 5.8 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK724F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, perylene pigment, polyester resin-a, polyethylene/vinyl acetate, red/gold pigment (2%*), xylene (20%*)
GAL WT: 7.71 WT PCT SOLIDS: 25.70 VOL PCT SOLIDS: 19.96
SOLVENT DENSITY: 7.16 VOC LE: 5.6 VOC AP: 4.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK725F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine KK725F resin, polyester resin-a, polyethylene/vinyl acetate, red/gold pigment (2%*), xylene (21%*)
GAL WT: 7.74 WT PCT SOLIDS: 25.47 VOL PCT SOLIDS: 19.45
SOLVENT DENSITY: 7.16 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB KK726F acetone, acrylic polymer-a, butyl acetate, cellulose acetale butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, red/gold pigment (2%*), xylene (21%*)
GAL WT: 7.70 WT PCT SOLIDS: 24.41 VOL PCT SOLIDS: 18.67
SOLVENT DENSITY: 7.16 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK740F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (2-5%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, silver/green pigment (4%*), xylene (16-20%*) GAL WT: 7.77 WT PCT SOLIDS: 24.75 VOL PCT SOLIDS: 18.23 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK741F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, silver/green pigment (2%*), xylene (19%*)
GAL WT: 7.67 WT PCT SOLIDS: 23.75 VOL PCT SOLIDS: 18.24
SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK742F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, silver/green pigment (3%*), xylene (18%*) GAL WT: 7.71 WT PCT SOLIDS: 24.09 VOL PCT SOLIDS: 18.14 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3

R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: 18 acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, phthalocyanine green pigment, polyester resin-a, polyethylene/vinyl acetate, silver/green pignent (3%*), xylene (22%*)
GAL WT: 7.84 WT PCT SOLIDS: 26.57 VOL PCT SOLIDS: 19.63
SOLVENT DENSITY: 7.16 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK744F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, phthalocyanine green pigment, polyester resin-a, polyethylene/vinyl acetate, silver/green pigment (3%*), xylene (22%*)
GALWT: 7.79 WT PCT SOLIDS: 25.85 VOL PCT SOLIDS: 19.29
SOLVENT DENSITY: 7.16 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK745F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, silver/green pigment (3%*), xylene (21%*)
GAL WT: 7.75 WT PCT SOLIDS: 25.57 VOL PCT SOLIDS: 19.35 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK760F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (2-5%*), green-purple pigment (4%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, xylene (16-20%*)
GAL WT: 7.79 WT PCT SOLIDS: 25.07 VOL PCT SOLIDS: 18.33
SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB cellulose acetate butyrate, ethylbenzene (4%*), green-purple pigment (2%*), isobutyl alcohol, melamine resin, polyester resin-a polyethylene/vinyl acetate, xylene (19%*)
GAL WT: 7.67 WT PCT SOLIDS: 24.36 VOL PCT SOLIDS: 18.92
SOLVENT DENSITY: 7.16 VOC LE: 5.7 VOC AP: 4.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK762F acetone, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), green-purple pigment (3%*), isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, xylene GAL WT: 7.71 WT PCT SOLIDS: 24.09 VOL PCT SOLIDS: 18.16 SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK763F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), green-purple pigment (3%*) isobutyl alcohol, melamine resin, polyester resin-a, polyethylene/vinyl acetate, xylene (20%')
GAL WT: 7.75 WT PCT SOLIDS: 25.72 VOL PCT SOLIDS: 19.52
SOLVENT DENSITY: 7.15 VOC LE: 5.6 VOC AP: 4.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK764F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), green-purple pigment (3%*), isobutyl alcohol, melamine resin, phthalocyanine green pigment, polyester resin-a, polyethylene/vinyl acetate, xylene (21%*)
GAL WT: 7.77 WT PCT SOLIDS: 25.60 VOL PCT SOLIDS: 19.19
SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB KK765F acetone, acrylic polymer-a, butyl acetate, cellulose acetate butyrate, ethylbenzene (4%*), green-purple pigment (3%*) isobutyl alcohol, melamine resin, polyester resin a, polyethylene/vinyl acetate, xylene (21%*)
GAL WT: 7.75 WT PCT SOLIDS: 25.57 VOL PCT SOLIDS: 19.37
SOLVENT DENSITY: 7.15 VOC LE: 5.7 VOC AP: 5.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales

Prepared by D. G. Detweiler

MATERIAL SAFETY DATA SHEET

REFINISH SALES
JANUARY 1, 1999



CROMAX™ WBC WATERBORNE BASECOATS

Section I - Manufac	lurer		fron oxide		
Manufacturer:			1309-37-1	None	5 mg/m³-A
DuPont Co.			isobutyl alcohol		10 mg/m³-O
Automotive Wilmington, Delaware 19898 Telephone: Product information (800)441-7515 Medical emergency (800) 441-3637 Transportation emergency (800) 424-9300 (CHEMTREC) Product: Cromax WBC™ Waterborne Basecoats OSHA Hazard Class: Combustible; Not Regulated DOT Shipping Name: See DOT addendum.			78-83-1	10.0	50 ppm-A 100 ppm-O
			tsoindolinone-nicket complex Not Available	None	50 μg/m³-A Ni
			Isoindolinone pigment 36888-99-0	None	1 mg/m³-O Ni 10 mg/m³-A 15 ma/m³-O
Hazardous Materials Infor	mation: See See	ction X.	Isopropyl alcohol		5 mg/m³-O Resp
Section II - Hazardous Ingredients			67-63-0	33.0	400 ppm-A,O 500 ppm-A 15 min(STEL)
(See Section X)			Medium mineral spirits		400 ppm-D 8&12 hr
	Vapor Pressure		64742-88-7	10.0	100 ppm-D None-A,O
Ingredients CAS No.	(20°C. mm Hg)	Exposure Limits *	Methyl pyrrolidone 872-50-4	Unknown	None-A,O 25 ppm-D
Acrylic polymer A	•		Mica		
Not Available Acrylic polymer B	None	None-A,O	12001-26-2 Mica/titanium dioxide/tin oxide	None	25 ppm-D None-A,O
Not Available Acrylic polymer C	None	None-A,O	Not Available	None	3 mg/m³-A,O Mica Resp 2 mg/m³-A,O Tin Oxide
Not Available Acrylic polymer D	None	None-A,O	Mica/titanium dioxide/tin oxide		ydroxide
Not Available Acrylic polymer E	None	None-A,O	Not Available	None 2 m	3 mg/m³-A,O Mica Resp g/m³-A,O Tin Oxide Resp .5 mg/m³-A,O Cr Resp
Not Available Acrylic polymer F Not Available	None	None-A,O	Monoazo yellow pigment 12236-62-3	None	.5 mg/mA,O Cr Resp 10 mg/m ³ -A
Acrylic polymer G	None	None-A,O	n-hutovuoronanal		None-O
Not Available Aliphatic solvent mixture	None	None-A,O	n-butoxypropanol 5131-66-8	0.6	None-A,O
Not Available Numinum	Unknown	None-A,O	n-butyl alcohol		
7429-90-5	None '	10 mg/m³-A 15 mg/m³-O	71-36-3	5.5	50 ppm-A C Skin 100 ppm-O 25 ppm-D
Ammonia hydroxide-A		5mg/m³-Ŏ Resp	n-Pentanol		50 ppm-D 15 min TWA
1336-21-6 Ammonia hydroxide-B	76.0	None-A,O	71-41-0 Nickel oxide	1.5	None-A,O
Amorphous silica - precipitate		None-A,O	1313-99-1	None	1 mg/m³-A,O Ni
112926-00-8	None 3	10 mg/m³-A 3 mg/m³-D Dust Resp	Nickel,antimony, titanium yellov 8007-18-9	v pigment None	0.5 mg/m³-A,O Sb
Anthraquinone pigment		None-O	Octobracionalistic		1 mo/m³-A O Ni
Not Available	None	10 mg/m³-A	Octylphenoxypolyethoxyethar 9036-19-5	1.0	None-A,O
Aromatic hydrocarbon 64742-95-6	10.0 @ 25°C	None-O None-A,O	Organic alkyl phosphate ester Not Available	Unknown	None-A,O
Carbon black 1333-86-4	None	3.5 mg/m³-A,O	Perylene pigment 128-69-8	None	10 mg/m³-A
Chromium (III) Oxide		.5 mg/m³-D	Phthalocyanine blue pigment	NI	None-O
1308-38-9 Diketopyrrolopyrrol red pigme	None nt	0.5 mg/m³-A,O Cr	147-14-8 Phthalocyanine green pigment 1328-53-6		1 mg/m³-A,O CU 8 hr
Not Available Dioxazine carbazole pigment	None	None-A,O	1320-33-0	None	10 mg/m³-A 15 mg/m³-O 5 mg/m³-O Resp
4378-61-4	None /	10 mg/m³-A 15 mg/m³-O 5 mg/m³ O Ross	Polyurethane polymer Not Available	None .	None-Q
thylene glycol monobutyl eth	/	5 mg/m³-Ó Resp	Quinacridone pigment 1047-16-1	None	10 mg/m³-A
111-76-2	0.6/	25 ppm-A Skin 50 ppm-O Skin 10 ppm-D Skin			15 mg/m³-O 5 mg/m³-O Resp
Graphite, synthetic	None	10 ppm-D Skin 2 mg/m³-A Resp	Quinophthalone yellow pigmen 30125-47-4	t None	10 mg/m³-A
Not Available			· · · · · · · · · · · · · · · · · · ·		None-O

	5590-18-1	None	10 mg/m³-A None-O
Titanium di			Mone-O
	13463-67-7	None	10 mg/m³-A,O 5 mg/m³-O Resp 10 mg/m³-D
Water			ionigan D
	7732-18-5	23.6	None-A,O
2-propoxy	ethanol	j	
	2807-30-9	/ 1.3 _@ 25°C	25 ppm-S Skin None-A,O

A = ACGIH TLV; O = OSHA; D = DuPont internal limit; S = Supplier Furnished limit; STEL = Short Term Exposure Limit; C = Ceiling.

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible Percent volatile by volume: 65.1% - 100% Percent volatile by weight: 56.2%-100% Boiling range: 26° C - 216° C/79°F - 421°F Gallon weight: 8.3 - 10.5 lb/gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.2% - 23% Extinguishing media: Universal aqueous film-forming foam. carbon dioxide, dry chemical, Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to

prevent pressure build up.

Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING. Inhalation: May cause nose and throat irritation. Repeated and

prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye contact: May cause irritation or burning of the eyes Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician,

Specific Effects:

Acrylic Polymer-D & G Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. Aromatic Hydrocarbon Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Carbon Black Is an IARC, NTP or OSHA carcinogen. Ethylene Glycol Monobutylether Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/ or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. isobutyl Alcohol Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. Tests in laboratory animals have shown bone marrow and liver effects. May cause abnormal liver function. May cause irritation of the mucous membranes. Isoindoline-Nickel Complex Repeated exposure may cause allergic skin rash, itching, swelling. Is an IARC, NTP or OSHA carcinogen. WARNING: This chemical is known to the State of

California to cause cancer. Isopropyl Alcohol Ingestion studies on laboratory animals showed that very high cral doses caused increased liver and kidney weights. Medium Mineral Spirits Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Methyl Pyrrolidone Tests in some laboratory animals indicate this compound may have embryotoxic activity. Mica Repeated and prolonged overexposure may lead to activity. Mica Repeated and prolonged overexposure may lead to chronic lung disease. N-Butyl Alcohol Liquid splashes in the eye may result in chemical burns. May cause abnormal blood forming function with anemia. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Nickel Oxide & Nickel, Antimony, Titanium Yellow Pigment Is an IARC, NTP or OSHA carcinogen. The components of this pigment are combined chemically into a uniform substance which does not necessarily reflect the properties of the components. which does not necessarily reflect the properties of the components metals or oxides. WARNING: This chemical is known to the State of California to cause cancer

Octylphenoxypolyethoxyethanol Surfactant Causes eye corrosion and permanent injury. Contact may cause skin irritation with discomfort or rash. Quinophthalone Yellow Pigment Contact may cause skin irritation with discomfort or rash. Ingestion may result in gastric disturbances. Titanium Dioxide In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m3 respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m3 level are not relevant to the workplace. 2-

Propoxyethanol Can be absorbed through the skin in harmful amounts. May destroy red blood cells. Overexposure may cause damage to the kidneys, spleen and liver based on studies with laboratory animals. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

Section VI - Reactivity Data

Stability: Stable Incompatibility (materials to avoid): None reasonably foresee-

Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C), eye protection, gloves and protective clothing. Confine and remove with inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C) and particulate filter (NIOSH TC-84A) during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper air purifying respirator fit is not possible, wear a positive pressure, supplied-air respirator (NIOSH TC-19C). In all cases, follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits Protective clothing: Neoprene gloves and coveralls are recommended

Eye protection: Desirable in all industrial situations, include splash guards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120° F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation.

Section X - Other Information

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

PRODUCT CODE: **INGREDIENTS** 1401W acrylic polymer-a, acrylic polymer-f, ammonium hydroxide-b, isobutyl alcohol, titanium dioxide, water, 2-propoxyethanol (2%*) GAL WT: 10.31 WT PCT SOLIDS: 37.05 VOL PCT SOLIDS: 21.07 SOLVENT DENSITY: 8.22 VOC LE: 1.6 VOC AP: 0.4 H: 1 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1402W acrylic polymer-a, ammonium hydroxide-b, titanium dioxide,

GAL WT: 8.72 WT PCT SOLIDS: 15.16 VOL PCT SOLIDS: 10.97 SOLVENT DENSITY: 8.31 VOC LE: 0.6 VOC AP: 0.1 H: 1 F: R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

R: 0 FLASH P1: ABOVE 200 F (CC) USHASTORAGE. IIID

1403W acrylic polymer-b, acrylic polymer-c, ethylene glycol
monobutylether (3%*), titanium dioxide, water

GAL WT: 9.73 WT PCT SOLIDS: 27.11 VOL PCT SOLIDS: 14.08
SOLVENT DENSITY: 8.25 VOC LE: 2.0 VOC AP: 0.4 H: 1 F:
R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1404W acrylic polymer-a, acrylic polymer-g, ammonium hydroxide-b, carbon black, n-pentanol, water, 2-propoxyethanol (2%*) GAL WT: 8.41 WT PCT SOLIDS: 17.52 VOL PCT SOLIDS: 15.94 SOLVENT DENSITY: 8.25 VOC LE: 1.7 VOC AP: 0.4 H: 1 F: R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: (IIB H: 1 F: 1 1405W acrylic polymer-a, acrylic polymer-g, ammonium hydrox-

ide-b, carbon black, water,
GAL WT: 8.57 WT PCT SOLIDS: 14.60 VOL PCT SOLIDS: 11.99
SOLVENT DENSITY: 8.32 VOC LE: 0.1 VOC AP: 0.0 H: 1 F: 1
R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1406W acrylic polymer-a, acrylic polymer-c, ammonium hydroxide-

b, carbon black, water,
GAL WT: 8.76 WT PCT SOLIDS: 18.71 VOL PCT SOLIDS: 14.25
SOLVENT DENSITY: 8.30 VOC LE: 0.3 VOC AP: 0.1 H: 1 F: 1
R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

acrylic polymer-a, ammonium hydroxide-b, carbon black,

Water,
GAL WT: 8.41 WT PCT SOLIDS: 10.35 VOL PCT SOLIDS: 9.33
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0 H: 1 F: 1
R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1408W acrylic polymer-a, acrylic polymer-b, ammonium hydroxideb, ethylene glycol monobutylether (1%), graphite, synthetic, water GAL WT: 9.32 WT PCT SOLIDS: 23.48 VOL PCT SOLIDS: 14.06 SOLVENT DENSITY: 8.30 VOC LE: 0.9 VOC AP: 0.1 H: 1 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB acrylic polymer-a, acrylic polymer-f, aluminum (3%*), npentanol, water

GAL WT: 8.42 WT PCT SOLIDS: 14.61 VOL PCT SOLIDS: 11.77 SOLVENT DENSITY: 8.15 VOC LE: 3.0 VOC AP: 0.6 H: 1 F: 2 R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II acrylic polymer-a, acrytic polymer-f, aluminum (3%*), n-

1412W acrylic polymer-a, acrylic polymer-i, aluminium (576), inbutyl alcohol (1%*), n-pentanol, water
GAL WT: 8.39 WT PCT SOLIDS: 14.13 VOL PCT SOLIDS: 11.68
SOLVENT DENSITY: 8.16 VOC LE: 2.9 VOC AP: 0.6 H: 1 F: 2
R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II
1413W acrylic polymer-a, acrylic polymer-f, aluminum (3%*), isobutyl alcohol modium mineral spirits in-butyl alcohol (1%*) inisobutyl alcohol, medium mineral spirits, n-butyl alcohol (1%*), n-

pentanol, water
GAL WT: 8.40 WT PCT SOLIDS: 13.52 VOL PCT SOLIDS: 10.85
SOLVENT DENSITY: 8.15 VOC LE: 3.1 VOC AP: 0.6 H: 1 F: 2
R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

1414W acrylic polymer-a, acrylic polymer-f, aluminum (3%*), n-butyl alcohol (1%*), n-pentanol, water
GAL WT: 8.43 WT PCT SOLIDS: 14.94 VOL PCT SOLIDS: 11.95
SOLVENT DENSITY: 8.14 VOC LE: 3.0 VOC AP: 0.7 H: 1 F: 2
R: 0 FLASH PT: BETWEEN 100- 140 F (CC) OSHA STORAGE: II
1415W acrylic polymer-s, acrylic polymer-d, aluminum (5%*) 1416W acrylic polymer-a, acrylic polymer-d, aluminum (5%*), aromatic hydrocarbon, n-butyl alcohol (3%*), n-pentanol, water GAL WT: 8.41 WT PCT SOLIDS: 16.61 VOL PCT SOLIDS: 12.64 SOLVENT DENSITY: 8.03 VOC LE: 4.0 VOC AP: 1.2 H: 2F: 2 R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II acrylic polymer-a, acrylic polymer-f, aluminum (3%*),

medium mineral spirits, n-butyl alcohol (1%*), n-pentanol, water GAL WT: 8.42 WT PCT SOLIDS: 13.75 VOL PCT SOLIDS: 11.01 SOLVENT DENSITY: 8.16 VOC LE: 2.9 VOC AP: 0.6 H: 1 F: 2 R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: It 1418W acrylic polymer-a, acrylic polymer-f, ammonium hydroxide-b, amorphous silica - precipitated, isobutyl alcohol, water GAL WT: 8.86 WT PCT SOLIDS: 22.41 VOL PCT SOLIDS: 16.78 SOLVENT DENSITY: 8.26 VOC LE: 1.0 VOC AP: 0.2 H: 1 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1419W acrylic polymer-a, aluminum (3%*), medium mineral spirits, n-pentanol, water. n-pentanol, water, GAL WT: 8.41 WT PCT SOLIDS: 12.53 VOL PCT SOLIDS: 9.81 SOLVENT DENSITY: 8.16 VOC LE: 3.6 VOC AP: 0.7 H: 2 F: 2 R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: 1420W acrylic polymer-a, acrylic polymer-b, ammonium hydroxide-b, dioxazine carbozole pigment, ethylene glycol monobutylether (2%*), water
GAL WT: 8.44 WT PCT SOLIDS: 11.80 VOL PCT SOLIDS: 10.32
SOLVENT DENSITY: 8.30 VOC LE: 1.1 VOC AP: 0.1 H: 1 F:
1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1421W acrylic polymer-a, acrylic polymer-c, ammonium hydroxideb, anthraquinone pigment, isopropyl alcohol, water
GAL WT: 8.59 WT PCT SOLIDS: 16.96 VOL PCT SOLIDS: 13.91
SOLVENT DENSITY: 8.29 VOC LE: 0.8 VOC AP: 0.1 H: 1 F:
1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1425W acrylic polymer-a, ammonium hydroxide-b, water
GAL WT: 8.41 WT PCT SOLIDS: 9.77 VOL PCT SOLIDS: 8.74
SOLVENT DENSITY: 8.32 VOC LE: 0.2 VOC AP: 0.0 H: 1 F:
1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1426W acrylic polymer-a, acrylic polymer-b, ethylene glycol monobutylether (4%*), phthalocyanine blue pigment, water GAL WT: 8.81 WT PCT SOLIDS: 25.62 VOL PCT SOLIDS: 20.73 SOLVENT DENSITY: 8.27 VOC LE: 1.3 VOC AP: 0.3 H: 1 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1427W acrylic polymer-a, acrylic polymer-b, ethylene glycol monobutylether (3%*), phthalocyanine blue pigment, water GAL WT: 8.71 WT PCT SOLIDS: 21.15 VOL PCT SOLIDS: 17.14 SOLVENT DENSITY: 8.29 VOC LE: 1.1 VOC AP: 0.2 H: 1 F: 1 R: 1 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1428W acrylic polymer-a, acrylic polymer-b, ammonium hydroxide-b, ethylene glycol monobutylether (2%*), phthalocyanine blue pigment, water SOLVENT DENSITY: 8.29 VOC LE: 0.9 VOC AP: 0.2 H: 1 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1429W acrylic polymer-a, acrylic polymer-b, ammonium hydroxide-b, ethylene glycol monobutylether (2%*), phthalocyanine blue pigment, water GAL WT: 8.66 WT PCT SOLIDS: 18.72 VOL PCT SOLIDS: 15.13 SOLVENT DENSITY: 8.29 VOC LE: 1.1 VOC AP: 0.2 H: 1 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1430W acrylic polymer-a, acrylic polymer-b, ammonium hydroxide-b, ethylene glycol monobutylether (4%*), phthalocyanine green pigment, water
GAL WT: 8.80 WT PCT SOLIDS: 21.50 VOL PCT SOLIDS: 16.45
SOLVENT DENSITY: 8.27 VOC LE: 1.5 VOC AP: 0.3 H: 1 F:
1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 1431W acrylic polymer-a, ammonium hydroxide-b, water,
GAL WT: 8.43 WT PCT SOLIDS: 11.40 VOL PCT SOLIDS: 10.12
SOLVENT DENSITY: 8.31 VOC LE: 0.3 VOC AP: 0.0 H: 1 F:
1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: HIB 1432W acrylic polymer-a, acrylic polymer-b, ammonium hydroxide-b, ethylene glycol monobutylether (2%*), phthalocyanine green pigment, water
GAL WT: 8.89 WT PCT SOLIDS: 20.20 VOL PCT SOLIDS: 14.46
SOLVENT DENSITY: 8.29 VOC LE: 1.1 VOC AP: 0.2 H: 1 F:
1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB
1433W acrylic polymer-a, acrylic polymer-b, ammonium hydroxide-b, ethylene glycol monobutylether (2%*), tetrachloroisonsolinone yellow pigment, water GAL WT: 8.66 WT PCT SOLIDS: 20.40 VOL PCT SOLIDS: 16.83 SOLVENT DENSITY: 8.29 VOC LE: 1.0 VOC AP: 0.2 H: 1 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: 10 HIS 1440W acrylic polymer-a, ammonium hydroxide-b, nickel oxide

(1%*), nickel, antimony, titanium (24%*), water
GAL WT: 10.45 WT PCT SOLIDS: 33.51 VOL PCT SOLIDS: 16.37
SOLVENT DENSITY: 8.31 VOC LE: 0.2 VOC AP: 0.0 H: 1 F:
1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: III8
1441W acrylic polymer-b, ethylene glycol monobutylether (16%*),

octylphenoxypolyethoxyethanol surfactant, quinophthalone yellow

GAL WT. 9.80 WT PCT SOLIDS: 41.46 VOL PCT SOLIDS: 28.87 SOLVENT DENSITY: 8.07 VOC LE: 3.2 VOC AP: 1.6 H: 2 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB

1443W acrylic polymer-b, monoazo pigment,

3

pigment, water

MATERIAL SAFETY DATA SHEET



IMRON® 5000 POLYURETHANE ENAMELS

	- Manufactu	irer		Butyl acetate	41556-26-7 123-86-4	6.0 8.0	None-A.C 150 ppm-A.C
Manufacturer: DuPont Co.			C.I Pigment F	C.I Pigment Red 179		ppm-A 15 min (STEL	
Autom Wilmin		9898		Calcium carb	5521-31-3 conate	None	None-A,C
Wilmington, Delaware 19898 Telephone: Product information (800)441-7515 Medical emergency (800) 441-3637 Transportation emergency (800) 424-9300 (CHEMTREC) Product: Imron [©] 5000 Polyurethane Enamels OSHA Hazard Class: Flammable liquid DOT Shipping Name: See DOT addendum. Hazardous Materials Information: See Section X.				471-34-1	None	10 mg/m³-/ 15 mg/m³-C	
			Carbon black		None	5 mg/m³-Ŏ Resp 3.5 mg/m³-A,C 5 mg/m³-E	
			Dibutyl tin dili	aurate 77-58-7	0.2 @ 60°C	0.1 mg/m3-O as Sr mg/m3-A Skin as Sr	
	•			Diketopyrrolo	pyrrol red pigment		
Section II	- Hazardous	s Ingredient	s	Dioxazine ca	Not Available rbozole pigment	None	None-A,O
See Secti	on X)				4378-61-4	None	10 mg/m³-A 15 mg/m³-O
ngredients	CAS No.	Vapor Pressure	Exposure	Ethyl acetate Ethylbenzene	e	76.0 7.0	5 mg/m³-O Resp 400 ppm-A,O 100 ppm-A,O
		(20°C. mm Hg)	Limits		100-41-4	125	ppm-A 15 min(STEL)
cetic acid e	ster 90438-79-2	Linknown	Maria 4 6	Ethylene glyd	ol monobutyl ethe		25 ppm-D 8&12 hr
cetone	67-64-1	Unknown 184.0 5	None-A,O None-A,O Ppm-A 8hr TWA	.	112-07-2	0.3	20 ppm-D Skin None-A,O
crylic polyme	or A	750 pp	00 ppm-O 8hr TWA pm-A 15 min (STEL) 500 ppm-A 8&12 hr	Ferric hexac	yanoferrate 14038-43-8	None	10 mg/m³-A 15 mg/m³-O
crylic polyme	42767-92-0	None	None-A,O	Heptane	142-82-5	40.0	5 mg/m³-Ö Resp 400 ppm-A
rylic polyme	Not Available	None	None-A,O	46		500	500 ppm-O (ppm-A 15 min(STEL
rylic polyme	77358-01-1	None	None-A,O	nyarous mag	nesium silicate 14807-96-6	None	2 mg/m³-A Resp
ylic polyme		None	None-A,O	Iron oxide	1309-37-1	None	None-O 5 mg/m³-D Resp. 5 mg/m³-A
rylic polyme	70942-12-0 er F	None	None-A,O	Isoindolinone			10 mg/m3-O
rylic polyme	96591-17-2 er G	None	None-A,O	12011/001110116	36888-99-0	None	10 mg/m³-A
rylic polyme		None	None-A,O	Isopropyl alco	phol /		15 mg/m³-O 5 mg/m³-O Resp
rylic polyme		None	None-A,O	, oop, op,	67-63-0	33.0 500 c	400 ppm-A O ppm-A 15 min(STEL)
rylic polyme		None	None-A,O	Kaolin	1332-58-7	None	400 ppm-D 8&12 hr 10 mg/m ³ -A
rylic polyme	Not Available r K	None	None-A,O	Lead chromat	·e /	/	None-O
rylic polyme		None	None-A,O	2020 0.11011(2)	18454-12-1	None	50 μg/m³-A,O Pb 12 μg/m³-A Cr
hatic polyn	Not Available neric isocyanate	None	None-A,O	Lead chromat	e molybdate		1 mg/m³-O Cr Ceiling
	3779-63-3	None 1 mg/ 0.5	m ³ -S 15 min(STEL) mg/m ³ -S 8 hr TWA None-A,O		12656-85-8	None	50 μg/m³-A,O Pb 12 μg/m³-A Cr
minum	7429-90-5	None	10 mg/m³-A 15 mg/m³-O 5 mg/m³-O Resp	Medium miner	al spirits 64742-88-7	None	1 mg/m³-Ö Cr Ceiling 100 ppm-D
orphous Sil	ica 7631-86-9	None	0.2 mg/m³-A Resp 15 mg/m³-O	Methyl amyl ke	etone 110-43-0	2.2	None-A,O 50 ppm-A
hraquinone	niamont	1.0 mg/r	5 mg/m³-Ö Resp m³-A 15 min(STEL)	Methyl ethyl ke			100 ppm-O
matic hydro	Not Available ocarbon	None	10 mg/m³-A None-O		78-93-3	200 p	200 ppm-A,O pm-A 15 min(STEL) pm-D 8&12 hr TWA ppm-D 15 min TWA
rium sulfate	64742-95-6 7727-43-7	15 r	None-A,O mg/m³-A Total Dust ng/m³-O Total Dust ³-O Dust 8 hr Resp	Monoazo pigm	12236-62-3	None	10 mg/m³-A None-O
s(1-2,2,6,6-p	entamethyl-4-pipe	10 (mn/m³.D & hr TM/A	and and the	71-36-3	5.5	50 ppm-A C Skin 100 ppm-O

Nickel azo co	moley	50	ppm-D 15 min. TWA
NICKEI 820 CO	Not Available	None	50 μg/m³-A , Ni 1.0 mg/m³-O Ni
Nickel oxide	./		1.0 mg/m-Q N
Nickel, Antimo	1313-99-1 ony, Titanium Yelic	None ow Pigment _	1.0mg/m ³ -A.O Ni
Organisa	8007-18-9	None	0.5 mg/m³-A,O Sb 1 mg/m³-A,O Ni
Organoclay	68911-87-5	None	None-A,O
	ne blue pigment 147-14-8 ne green pigment	None 1.0	mg/m³-A,O CU, 8 hr
Cillialocyalisi	1328-53-6	None	10 mg/m³-A
Polyester res	in		15 mg/m²-O 5 mg/m³-O Resp
_	71010-58-7	None	None-A,O
Polýol	68551-65-5	Unknown	None-A,O
Primary amyl	acetate 628-63-7	4.0	·
Propylene gly	col monomethyl e	ther acetate	100 ppm-A,O
Ouinporidona	108-65-6	- 3.7	None-A,O 10 ppm-D
Quinacridone	1047-16-1	None	10 mg/m³-A 15 mg/m³-O 5 mg/m³-O Resp
Quinophthalon	e yellow pigment 30125-47-4	None	10 mg/m³-A
Stoddard Solv		••-	None-O
Titanium dioxid	8052-41-3 · le	None	100 ppm-A,O
	13463-67-7	None	10 mg/m³-A,O 10 mg/m³-D
Toluene	108-88-3	36.7	5 mg/m³-Ŏ Resp 50 ppm-A Skin 200 ppm-O
		500 p	300 ppm-O Ceiling ppm-O 10 min MAX m-D 8&12 hr TWA
VM&P Naphtha	1710.00		
C	34742-89-8	15.0 @ 37.8°C ⋅ 400 pp	300 ppm-A,O m-O 15 min(STEL)
Xylene	1330-20-7	1	100 ppm-D 100 ppm-A,O m-A 15 min(STEL) 00 ppm-D 8&12 hr
1 6-hevametov	lene diisocyanate	150 p	pm-D 15 min TWA
THE MEXAMETRY	822-06-0	Unknown	5 ppb-A None-O
	5-diteramylpheng 25973-55-1	yl) benzotriazole Unknown	None-A.O
2-Ethylhexyl ad	cetate		
2,4 Pentanedio	103-09-3 ne 123-54-6	Unknown 7.0	None-A,O 10 ppm-D None-A,O

A = ACGIH TLV; O = OSHA; D = DuPont internal limit; S = Supplier Furnished limit; STEL = Short Term Exposure Limit; C = Ceiling.

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible Percent volatile by volume: 7% - 100% Percent volatile by weight: 5% - 100% Boiling range: 54°C- 213°C/129.2°F- 415.4°F Gallon weight: 6.61 - 15.58 lb/gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values.
Flammable limits: 0.8%- 11.5%
Extinguishing media: Universal aqueous film-forming foam, carbon dioxide, dry chemical.
Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.

Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredierits available. DO NOT INDUCE VOMITING. Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function which may be permanent. Individuals with breathing problems or prior reaction to isocyanates must not be exposed to vapors or spray mist of this product. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Specific Effects:

Acetic Acid Ester Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Over exposure may cause eye, nose and throat irritation. Repeated or prolonged liquid contact may cause skin irritation and dermatitis. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Acrylic Polymer-K & L Contact may cause skin irritation with discomfort or rash. May cause eye riftation with discomfort, tearing, or blurred vision. Aliphatic

Polymeric Isocyanate Repeated exposure may cause allergic
skin rash, itching, swelling. Repeated overexposure to isocyanates
may cause lung injury, including a decrease in lung function, which
may be permanent. May cause eye irritation with discomfort, tearing, or blurred vision. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

Aromatic Hydrocarbon Laboratory studies with rate have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Bis(1,2,2,6,6-Pentamethyl-4-Piperdinyl) Sebacate Repeated exposure may cause allergic skin rash, itching, swelling. Butyl Acetate May cause abnormal liver function. Tests for embryotoxic activity in animals has been inconclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

Carbon Black is an IARC, NTP or OSHA carcinogen. Dibutyl Tin Dilaurate Causes eye corrosion and permanent injury. Contact may cause skin burns. Can be absorbed through the skin in harmful amounts. Ethyl Acetate Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs. Ethylbenzene Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. Has shown mutagenic activity in laboratory cell culture tests. Tests in some laboratory animals demonstrate carcinogenic activity. Individuals with preexisting diseases of the central nervous system, lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures. Ethylene Glycol Monobutyl Ether Acetate Can be absorbed through the skin in harmful amounts. May destroy red blood cells. May cause abnormal kidney function. Heptane Contact may cause skin burns. May cause exertist. with discomfort, tearing, or blurred vision. May cause eye irritation with discomfort, tearing, or blurred vision. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortest of treath I observe the discount to be a possible to the cough. shortness of breath. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver

tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Hydrous Magnesium Silicate Repeated and prolonged overexposure to talc may lead to typical x-ray changes and chronic lung disease. Isopropyl Alcohol Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Lead Chromate Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite. anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula: limit(in ug/m3)= 400/hours worked in the day. Is an IARC, NTP or OSHA carcinogen. WARN-ING: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm. Lead Chromate Molybdate Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite, anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula: limit(in ug/m3)= 400/hours worked in the day. Is an IARC, NTP or OSHA carcinogen. WARNING: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm. Medium Mineral Spirits Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Methyl Amyl Ketone Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Methyl Ethyl Ketone High concentrations have caused embryotoxic effects in laboratory animals. Methyl ethyl ketone has been demonstrated to potentiate (i.e., shorten the time of onset) the peripheral neuropathy caused by either n-hexane or methyl n-butyl ketone. MEK by itself has not been demonstrated to cause peripheral neuropathy. Liquid splashes in the eye may result in chemical burns. N-Butyl Alcohol Liquid splashes in the eye may result in chemical burns. May cause abnormal blood forming function with anemia. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful and kidney injury. Can be absorbed through the skin in narmful amounts. Nickel Azo Complex Repeated exposure may cause allergic skin rash, itching, swelling. Is an IARC, NTP or OSHA carcinogen. WARNING: This chemical is known to the State of California to cause cancer. Nickel Oxide & Nickel, Antimony, Titanium Yellow Pigment Is an IARC, NTP or OSHA carcinogen. The components of this pigment are combined chemically into a uniform substance which does not peressarily reflect the uniform substance which does not necessarily reflect the properties of the components metals or oxides. WARNING: This properties of the components metals or oxides. WARNING: This chemical is known to the State of California to cause cancer. Primary Amyl Acetate Recurrent overexposure may result in liver and kidney injury. Propylene Glycol Monomethyl Ether Acetate May cause moderate eye burning. Recurrent overexposure may result in liver and kidney injury. Quinophthalone Yellow Pigment Contact may cause skin irrilation with discomfort or rash location may result in pastric distributions. These transports are the contact may cause the property of the contact may cause the contact may be contact may cause the contact may be contac or rash. Ingestion may result in gastric disturbances. Titanium Dioxide In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m3 respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m3 level are not relevant to the workplace. Toluene Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Chromosomal changes in the circulating blood of exposed workers have been reported. The significance of these reports is unclear because of exposure to other substances. Individuals with preexisting diseases of the central nervous system may have ncreased susceptibility to the toxicity of excessive exposures. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm. VM&P Naphtha Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Xylene Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Individuals with pre-existing disease of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures. Canada classifies Xylene as a

developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. 1,6-Hexamethylene Diisocyanate May cause temporary upper respiratory and/or tung irritation with cough, difficult breathing, or shortness of breath. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent, or permanent lung sensitization. This effect may be delayed for several hours after exposure. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. 2-Ethylhexyl Acetate May cause eye irritation with discomfort, tearing, or blurred vision. Contact may cause skin irritation with discomfort or rash. Over exposure may cause eye, nose and throat irritation. Repeated or prolonged liquid contact may cause skin irritation and dermatitis. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. 2,4-Pentanedione Can be absorbed through the skin in harmful amounts. Repeated exposures to high concentrations has caused adverse health effects in laboratory animals. These effects involved the central nervous system, immune system, and the red blood cell forming system. No effect was seen at 100 ppm. The odor is disagreeable at a few ppm. Ingestion may result in gastric disturbances.

Section VI - Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Water, amines, metal salts Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Do not breathe vapors. Do not get in eyes and on skin. Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C), eye protection, gloves and protective clothing. Pour liquid decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are:

20% Surfactant (Tergitol TMN 10) and 80% Water OR

0-10% Ammonia, 2-5% Detergent and Water (balance)

Confine and remove with inert absorbent. Pressure can be generated. <u>Do not</u> seal container. After 48 hours, material may be sealed and disposed of properly.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a positivepressure, supplied air respirator (NIOSH approved TC-19C), while mixing activator with paint, during application and until all vapors and spray mists are exhausted. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area

protection in the painting area.

Refer to the hardener/activator label instructions for further information.

nformation.

Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to this product if mixed with isocyanate activators/hardeners.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Desirable in all industrial situations. Include splash guards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation.

Section X - Other Information

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

PRODUCT CODE

INGREDIENTS (See Section II)

acetone, acrylic polymer-b, acrylic polymer-g. RK-P-19488 amorphous silica, butyl acetate, methyl amyl ketone, toluene (2%*), GAL WT: 8.73 WT PCT SOLIDS: 56.77 VOL PCT SOLIDS: 44.36 SOLVENT DENSITY: 6.78 VOC LE: 3.0 VOC AP: 2.4 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-195S aliphatic polymeric isocyanate, heptane, methyl amyl ketone, methyl ethyl ketone (9%*). toluene (15%*), 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 8.36 WT PCT SOLIDS: 63.70 VOL PCT SOLIDS: 55.19 SOLVENT DENSITY: 6.77 VOC LE: 3.0 VOC AP: 3.0 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 359S acrylic polymer-l, aromatic hydrocarbon, butyl acetate, GAL WT: 7.67 WT PCT SOLIDS: 25.00 VOL PCT SOLIDS: 21.00 SOLVENT DENSITY: 7.28 VOC LE: 5.8 VOC AP: 5.8 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 389S dibutyl tin dilaurate (1%*), 2.4-pentanedione, GAL WT: 8.13 WT PCT SOLIDS: 1.00 VOL PCT SOLIDS: 0.94 SOLVENT DENSITY: 8.13 VOC LE: 8.0 VOC AP: 8.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 501H acrylic polymer-a, acrylic polymer-b, butyl acetate, carbon acrylic polymer-a, acrylic polymer-b, butyl acetate, carbon black, methyl amyl ketone, xylene (0-1%*)
GAL WT: 8.22 WT PCT SOLIDS: 52.25 VOL PCT SOLIDS: 45.01
SOLVENT DENSITY: 7.14 VOC LE: 3.9 VOC AP: 3.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC
502H 502H acrylic polymer-i, butyl acetate, iron oxide, medium mineral spirits, propylene glycol monomethyl ether acetate GAL WT: 14.19 WT PCT SOLIDS: 71.79 VOL PCT SOLIDS: 46.25 SOLVENT DENSITY: 7.45 VOC LE: 4.0 VOC AP: 4.0 H: 1F: 3 R: 0 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC 503H acrylic polymer-a, acrylic polymer-b, butyl acetate, lead chromate (56%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (1-2%*)

GAL WT: 15.58 WT PCT SOLIDS: 75.83 VOL PCT SOLIDS: 50.57

SOLVENT DENSITY: 7.62 VOC LE: 3.8 VOC AP: 3.8 H: 2F: 3

R: 0FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 504H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl accetate, ethylbenzene (0-2%*), methyl amyl ketone, phthalocyanine blue pigment, propylene glycol monomethyl ether acetate, xylene (5-GAL WT: 8.54 WT PCT SOLIDS: 49.94 VOL PCT SOLIDS: 43.38 SOLVENT DENSITY: 7.55 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 505H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, carbon black, ethylbenzene (0-2%*), methyl amyl ketone, toluene (2%*), xylene (5-6%*)
GAL WT: 8.24 WT PCT SOLIDS: 48.82 VOL PCT SOLIDS: 41.56
SOLVENT DENSITY: 7.22 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC SOLVENT DELYWEEN 73- IUUF (CC) OSHASTORAGE: IC 506H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, ethylbenzene (0-1%*), methyl amyl ketone, phthalocyanine green pign:ent, toluene (1%*), xylene (4-5%*)
GALWT: 8.22 WT PCT SOLIDS: 44.38 VOL PCT SOLIDS: 33.83
SOLVENT DENSITY: 6.91 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHASTORAGE: IC 507H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, ethylbenzene (0-1%*), methyl amyl ketone, phthalocyanine blue pigment, propylene glycol monomethyl ether acetate, toluene GAL WT: 8.58 WT PCT SOLIDS: 48.61 VOL PCT SOLIDS: 41.52 SOLVENT DENSITY: 7.54 VOC LE: 4.4 VOC AP: 4.4 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 509H acrylic polymer-a, acrylic polymer-b, butyl acetate, diketopyrrolopyrrol red pigment, methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (0-1%*)
GAL WT: 9.12 WT PCT SOLIDS: 53.23 VOL PCT SOLIDS: 44.66
SOLVENT DENSITY: 7.71 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3

R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 510H acrylic polymer-a, acrylic polymer-b, butyl acetate, lead chromate (58%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (1%*)
GAL WT: 15.82 WT PCT SOLIDS: 76.29 VOL PCT SOLIDS: 50.99
SOLVENT DENSITY: 7.65 VOC LE: 3.7 VOC AP: 3.7 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 511H acrylic polymer-a, acrylic polymer-b, butyl acetate, lead chromate (56%*), methyl amyl ketone, propylene glycol monomethyl chromate (50%*), metnyl amyl ketone, propylene glycor monometnyl ether acetate, xylene (0-1%*)
GALWT: 15.50 WT PCT SOLIDS: 74.46 VOL PCT SOLIDS: 47.97
SOLVENT DENSITY: 7.61 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) DSHA STORAGE: IC 512H acrylic polymer-a, acrylic polymer-b, butyl acetate, ethylbenzene (0-1%*), lead chromate molybdate (54%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (2%) GAL WT: 15.00 WT PCT SOLIDS: 74.95 VOL PCT SOLIDS: 50.53 SOLVENT DENSITY: 7.60 VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 513H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, ethylbenzene (0-1%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, quinacridone pigment, toluene (2%*). GALWT: 8.70 WT PCT SOLIDS: 42.59 VOL PCT SOLIDS: 35.33 SOLVENT DENSITY: 7.72 VOC LE: 5.0 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 514H acrylic polymer-a, acrylic polymer-b, acrylic poly acetate, methyl amyl ketone, primary amyl acetate, quinacridone pigment, xylene (0-1%*)
GAL WT: 8.45 WT PCT SOLIDS: 47.12 VOL PCT SOLIDS: 38.10
SOLVENT DENSITY: 7.22 VOC LE: 4.5 VOC AP: 4.5 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC)

OSHA STORAGE: IC STASTI PIEBETWEEN 73-100 F (CC) OSHASTORAGE: IC 515H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, iron oxide, methyl amyl ketone, propylene glycol monomethyl ether acetate, toluene (2%*), xylene (0-1%*) GAL WT: 12.45 WT PCT SOLIDS: 66.39 VOL PCT SOLIDS: 45.20 SOLVENT DENSITY: 7.64 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC acrylic polymer-a, acrylic polymer-b, butyl acetate, methyl amyl ketone, propylene glycol monomethyl ether acetate, titanium dioxide, xylene (0-1%*)
GAL W.T: 14.85 WT PCT SOLIDS: 77.54 VOL PCT SOLIDS: 55.55
SOLVENT DENSITY: 7.50 VOC LE: 3.3 VOC AP: 3.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC
517H acrylic polymer-a, acrylic polymer-b, butyl acetate, ethylbenzene (0-1%*), ferric hexacyanoferrate (19%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (4-5%*)
GAL WT: 8.93 WT PCT SOLIDS: 51.78 VOL PCT SOLIDS: 42.74
SOLVENT DENSITY: 7.52 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC
518H acrylic polymer-a, acrylic polymer-b, acrylic polymer-f, butyl amyl ketone, propylene glycol monomethyl ether acetate, titanium 518H acrylic polymer-a, acrylic polymer-b, acrylic polymer-f, butyl acetate, dioxazine carbozole pigment, ethylbenzene (0-2%), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (7-GALWT: 8.40 WT PCT SOLIDS: 52.90 VOL PCT SOLIDS: 46.95 SOLVENT DENSITY: 7.46 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 519H acrylic polymer-a, acrylic polymer-b, anthraquinone pigment, butyl acetate, ethylbenzene (1-3%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (8-10%*)
GAL WT: 8.27 WT PCT SOLIDS: 48.57 VOL PCT SOLIDS: 42.10
SOLVENT DENSITY: 7.35 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC
522H acrylic polymer-h, aluminum (25%*), aromatic hydrocarbon, butyl acetate, ethylpersene (0.10**) butyl acetate, ethylbenzene (0-1%*), medium mineral spirits, n-butyl alcohol (2%*), propylene glycol monomethyl ether acetate, stoddard solvent, xylene (4-5 GAL WT: 9.30 WT PCT SOLIDS: 51.04 VOL PCT SOLIDS: 38.83 SOLVENT DENSITY: 7.44 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3 R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC acrylic polymer-h, butyl acetate, isopropyl alcohol, medium mineral spirits, n-butyl alcohol (8%*), nickel azo complex (8%*), propylene glycol monomethyl ether acetate, toluene (2-3%*), vm&p naphtha GAL WT: 8.25 WT PCT SOLIDS: 51.68 VOL PCT SOLIDS: 44.42 SOLVENT DENSITY: 7.17 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 525H acrylic polymer-a, acrylic polymer-b, butyl acetate, ethylbenzene (0-1%*), iron oxide, methyl amyl ketone, primary amyl ethyldenzene (0-1%°), iron oxide, methyl amyl kelone, primary amyl acetate, xylene (3-4%°)
GAL WT: 9.54 WT PCT SOLIDS: 52.70 VOL PCT SOLIDS: 37.38
SOLVENT DENSITY: 7.21 VOC LE: 4.5 VOC AP: 4.5 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC acrylic polymer-h, butyl acetate, dioxazine carbozole pigment, medium mineral spirits, n-butyl alcohol (4%*), propylene glycol monomethyl ether acetate

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GAL WT: 8.31 WT PCT SOLIDS: 50.04 VOL PCT SOLIDS: 44.08 SOLVENT DENSITY: 7.42 VOC LE: 4.2 VOC AP: 4.2 H: 1 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 527H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, barium sulfate, butyl acetate, c.i. pigment red 179, methyl amyl ketone, propylene glycol monomethyl ether acetate, toluene (3%*), Ketorie, propyrene grycor monometryr etner acetale, toldene (0.78), xylene (0.1%*)
GAL WT: 8.81 WT PCT SOLIDS: 44.05 VOL PCT SOLIDS: 36.10
SOLVENT DENSITY: 7.71 VOC LE: 4.9 VOC AP: 4.9 H: 2.F: 3
R: 0 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC 528H acrylic polymer-a, acrylic polymer-k, butyl acetate, methyl amyl ketone, monoazo pigment, propylene glycol monomethyl ether GAL WT: 9.07 WT PCT SOLIDS: 48.94 VOL PCT SOLIDS: 40.65 SOLVENT DENSITY: 7.80 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 529H acrylic polymer-a, acrylic polymer-b, butyl acetate, isoindolinone pigment, methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (1-2%*)
GAL WT: 9.43 WT PCT SOLIDS: 51.47 VOL PCT SOLIDS: 40.48
SOLVENT DENSITY: 7.69 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC)
OSHA STORAGE: IC 538H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, methyl amyl ketone, nickel oxide (3%*), nickel, antimony, titanium (54%*), propylene glycol monomethyl ether acetate, toluene (1%*), xylene (0-1% GAL WT: 14.80 WT PCT SOLIDS: 72.16 VOL PCT SOLIDS: 46.28 SOLVENT DENSITY: 7.67 VOC LE: 4.1 VOC AP: 4.1 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 542H acrylic polymer-a, acrylic polymer-b, ethylbenzene (0-1%*), methyl amyl ketone, primary amyl acetate, quinacridone pigment, sylene (2%*)
GAL WT: 8.29 WT PCT SOLIDS: 48.81 VOL PCT SOLIDS: 40.89
SOLVENT DENSITY: 7.18 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 545H acrylic polymer-a, acrylic polymer-b, butyl acetate, ethylbenzene (0-2%*), iron oxide, methyl amyl ketone, primary amyl acetate, xylene (5-6%*) GAL WT: 9.24 WT PCT SOLIDS: 54.31 VOL PCT SOLIDS: 41.41 SOLVENT DENSITY: 7.21 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 551H acordic polymer-a, accrdic polymer-b, butyl acetate methyl 551H acrylic polymer-a, acrylic polymer-b, butyl acetate, methyl amyl ketone, propylene glycol monomethyl ether acetate, amy ketone, propylene grycol monometryl ether acetate, quinophthalone yellow pigment, xylene (1-2%*)
GAL WT: 9.42 WT PCT SOLIDS: 52.75 VOL PCT SOLIDS: 42.06
SOLVENT DENSITY: 7.68 VOC LE: 4.5 VOC AP: 4.5 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) USHA STURAGE: IC 569H acrylic polymer-a, acrylic polymer-b, acrylic polymer-k, butyl acetate, methyl amyl ketone, monoazo pigment, propylene glycol monomethyl ether acetate, xylene (1-2%*)
GAL WT: 9.30 WT PCT SOLIDS: 56.44 VOL PCT SOLIDS: 47.26 SOLVENT DENSITY: 7.68 VOC LE: 4.1 VOC AP: 4.0 H: 2F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 573H acrylic polymer-e his/1 2.2 6 6-pentamethyl-4-piperdinyt) 7.3 PLASH PL BETWEEN 73-TOUT (CC) USHASTURAGE: IC 573H acrylic polymer-e, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, ethyl acetate, ethylbenzene (0-1%*), ethylene glycol monobutyl ether acetate (2%*), methyl amyl ketone, polyester resin, xylene (1-2%*)
GAL WT: 8.92 WT PCT SOLIDS: 76.22 VOL PCT SOLIDS: 70.35
SOLVENT DENSITY: 7.15 VOC LE: 2.1 VOC AP: 2.1 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC
574H acrylic polymer-e, acrylic polymer-j, bis(1,2,2,6,6pentamethyl-4-piperdinyl) sebacate, ethyl acetate, ethylbenzene (01%*), ethylene glycol monobutyl ether acetate (2%*), heptane,
medium mineral spirits: methyl amyl ketone, n-butyl alcohol (3%*), medium mineral spirits, methyl amyl ketone, n-butyl alcohol (3%*), polyester resin, xylene (1-2%*), 2(2'-hydroxy-3,5'polyester resin, xylerie (1-276), 2(2-1)yuroxy-3,3-diteramylphenyl)benzotriazole
GAL WT: 8.57 WT PCT SOLIDS: 68.92 VOL PCT SOLIDS: 61.21
SOLVENT DENSITY: 6.87 VOC LE: 2.7 VOC AP: 2.7 H: 2F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 577H acrylic polymer-b, acrylic polymer-e, butyl acetate, ethyl acetate, ethylbenzene (0-1%*), ethylene glycol monobutyl ether acetate (12%*), methyl amyl ketone, methyl ethyl ketone (3%*), organoclay, polyester resin, xylene (4-5%*) GAL WT: 8.02 WT PCT SOLIDS: 32.78 VOL PCT SOLIDS: 26.95 SOLVENT DENSITY: 7.38 VOC LE: 5.4 VOC AP: 5.4 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 590H acrylic polymer-h, aluminum (23%*), aromatic hydrocarbon, butyl acetate, ethylbenzene (0-1%*), medium mineral spirits, n-butyl alcohol (2%*), propylene glycol monomethyl ether acetate, xylene (4-5%*) GAL WT: 9.20 WT PCT SOLIDS: 49.24 VOL PCT SOLIDS: 35.14 SOLVENT DENSITY: 7.20 VOC LE: 4.7 VOC AP: 4.7 H: 2 F: 3 R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC

673H acrylic polymer-e, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, ethyl acetate, ethylbenzene (0-1%*), methyl amyl ketone, polyester resin, xylene (1-2%*), 2-ethylhexyl acetate

GAL WT: 8.89 WT PCT SOLIDS: 75.23 VOL PCT SOLIDS: 69.15 SOLVENT DENSITY: 7.14 VOC LE: 2.2 VOC AP: 2.2 H: 2.F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB Solvent Densitt: 7.14 Voc Le: 22 Voc AP: 22 H: 2F: 3
674H acrylic polymer-e, acrylic polymer-j, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, ethyl acetate, ethylbenzene (0-1%*), heptane, medium mineral spirits, methyl amyl ketone, n-butyl alcohol (3%*), polyester resin, xylene (1-2%*), 2(2*-hydroxy-3,5*-diteramylphenyl)benzotriazole, 2-ethylhexyl acetate
GAL WT: 8.55 WT PCT SOLIDS: 68.92 VOL PCT SOLIDS: 61.10
SOLVENT DENSITY: 6.83 VOC LE: 2.7 VOC AP: 2.7 H: 2F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
677H acetone, acrylic polymer-b, acrylic polymer-e, butyl acetate, ethyl acetate, ethylbenzene (0-1%*), methyl amyl ketone, organoclay, polyester resin, xylene (4-5%*), 2-ethylhexyl acetate, GAL WT: 7.94 WT PCT SOLIDS: 32.78 VOL PCT SOLIDS: 26.69
SOLVENT DENSITY: 7.28 VOC LE: 5.3 VOC AP: 5.1 H: 2F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
6885S ethyl acetate, ethylene glycol monobutyl ether acetate (40%*), methyl ethyl ketone (10%*),
GAL WT: 7.51 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.51 VOC LE: 7.5 VOC AP: 7.5 H: 2F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 8695S ethylene glycol monobutyl ether acetate (74%*), methyl amyl ketone,
GAL WT: 7.51 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.51 VOC LE: 7.5 VOC AP: 7.5 H: 2 F: 2
R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II 8909S aliphatic polymeric isocyanate, methyl ethyl ketone (5%*), 1,6-hexamethylene diisocyanate (<0.2%*),
GAL WT: 9.44 WT PCT SOLIDS: 95.00 VOL PCT SOLIDS: 92.92
SOLVENT DENSITY: 6.67 VOC LE: 0.5
VOC AP: 0.5 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 8920S bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, ethyl acetate, polyester resin, polyol, xylene (0-1%*)
GAL WT: 8.55 WT PCT SOLIDS: 93.66 VOL PCT SOLIDS: 92.68
SOLVENT DENSITY: 7.41 VOC LE: 0.5
VOC AP: 0.5 H: 1 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC)
OSHA STORAGE: IC 8928S acrylic polymer-d, barium sulfate, calcium carbonate, ethyl accylic polymer-d, barium sulfate, calcium carbonate, ethyl acetate, ethylene glycol monobutyl ether acetate (10%*), hydrous magnesium silicate, kaolin, methyl ethyl ketone (3%*), polyester resin, xylene (1-2%*)
GAL WT: 13.85 WT PCT SOLIDS: 71.89 VOL PCT SOLIDS: 47.77
SOLVENT DENSITY: 7.45 VOC LE: 3.9 VOC AP: 3.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB
8930S acetic acid ester bentane methyl ethyl ketone (40%*) R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 8930S acetic acid ester, heptane, methyl ethyl ketone (40%*), GAL WT: 6.61 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.61 VOC LE: 6.6 VOC AP: 6.6 H: 2 F: 3 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB 8989S dibutyl tin dilaurate (5%*), 2,4-pentanedione, GAL WT: 8.15 WT PCT SOLIDS: 4.99 VOL PCT SOLIDS: 4.67 SOLVENT DENSITY: 8.12 VOC LE: 7.7 VOC AP: 7.7 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager

Prepared by D. G. Detweiler



CHROMA ONE® & CHROMA ONE® HIGH SOLIDS BINDERS, ACTIVATORS & REDUCERS

•					
Section I - Manuf	acturer		Heptane		
			142-82-5	40.0	400 ppni-A
Manufacturer:					500 ppm-O
DuPont Co.			111		500 ppm-A 15 min(STEL)
Automotive _			Hexyl acetate isomers 88230-35-7	0.7	EO man A Ulavad Acad
Wilmington, Delaw	are 19898		66230-33-7	U.1	50 ppm-A Hexyl Acet None-O
Telephone:	- /000\444 7545		Medium mineral spirits		None-O
Product informatio Medical emergence			64742-88-7	Unknown	100 ppm-D
	y (600) 441-3637 ergency (800) 424-9	300 (CHEMTREC)			None-A,O
Product: Chroma One &	Chroma One High	Solids Binders Activa-	Methyl amyl ketone		•
tors, & Reducers	J	Condo Dinocia, Acava	110-43-0	2.2	50 ppm-A
OSHA Hazard Class: Fla	mmable liquid		Mathid athod batana		100 ppm-O
DOT Shipping Name: Se	e DOT addendum.		Methyl ethyl ketone 78-93-3	71.0	200 1.0
Hazardous Materials In	formation: See S	ection X.	10-93-3	71.0	200 ppm-A,O 300 ppm-A 15 min(STEL)
•					200 ppm-D 8&12 hr TWA
Section II - Hazard	dous Inaredie	nts			300 ppm-D 15 min TWA
(See Section X)	J		Polyester resin-A		FF C
(See Section V)			71010-58-	7 N	None None-A,O
	Vapor		Polyester resin B		
•	Pressure	Exposure	65086-73-	a 'v	vone None-A,O
Ingredients CAS No.	(20 C mm Ha)	Limits	Polyester resin C Not Availab	مام ما	None None-A,O
	(== +		Propylene glycol monom		
Acetone 67-64-1	184.0	500 ppm-A 8hr TWA	108-65-6		3.7 10ppm-D
		1000 ppm-O 8hr TWA			None-A,O
	750	500 ppm-D 8&12 hr	Substituted Benzotriazol		•
Acrylic Polymer A	/50	ppm-A 15 min (STEL)	127519-17	-9 N	None None-A,O
Not Available	None	None-A.O	Xylene 4330 00 f	·	0.0000
Acrylic Polymer B	None	None-A,O	1330-20-7	7.0	@ 25°C 100 ppm-A,O
96591-17-2	None	None-A.O			150 ppm-A 15 min(STEL) 100 ppm-D 8&12 hr
Acrylic Polymer C					150 ppm-D 15 min TWA
69215-54-9	None	None-A,O	1,2,4-Trimethyl benzene		Too ppin D to mill 1117A
Acrylic Polymer D			95-63-6	7.0 @ 44.4°C	25 ppm-A,O
Not Available	None	None-A,O	1,6-Hexamethylene diiso	cyanate	20 pp
Acrylic Polymer E Not Available	None	None A O	822-06-0	Únk	known 5 ppb-A
Acrylic Polymer F	NONE	None-A,O	0.011		None-O
Not Available	None	None-A.O.	2(2-Hydroxy-3, 5-diterar	nyiphenyi) ben	
Acrylic Polymer G	:	110110 71,01	25973-55-	i Uni	known None-A,O
Not Available	None	None-A,O			
Aliphatic polyisocyanate			A = ACGIH TLV; Q = OSH	IA: D = DuPon	it internal limit; S = Supplier
28182-81-2	None	0.5 mg/m³-S 1 ma/m³-S	Furnished limit; STEL = S	hort Term Expe	osure Limit; C = Ceiling.

Section III - Physical Data

Evaporation rate: Less than ether. Vapor Density: Heavier than air. Solubility in water: Miscible. Percent volatile by volume: 31.8%-99.7% Percent volatile by weight: 26.8%-99.7% Boiling range: 54°C- 245°C/ 129°F- 473°F Gallon weight: 7.23 - 9.00 lb/gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.8%- 13.1%
Extinguishing media: Universal aqueous film-forming foam, carbon dioxide, dry chemical.
Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.
Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Ingredients	CAS No.	Vapor Pressur (20 C mm	
Acetone	67-64-1	184.0	500 ppm-A 8hr TWA 1000 ppm-O 8hr TWA 500 ppm-D 8&12 hr 750 ppm-A 15 min (STEL)
Acrylic Polyn	ner A ot Available	None	
Acrylic Polyn	ner B		None-A _i O
Acrylic Polyn	6591-1 7-2 ner C	None	None-A,O
	9215-54-9	None	None-A,O
N	ot Available	None	None-A,O
	ot Available	None	None-A,O
Acrylic Polym N	ier F ot Available	None	None-A.O.
Acrylic Polym		None	None-A.O
Aliphatic poly	visocyanate	resin	, ,
2	8182-81-2	None	0.5 mg/m³-S 1 mg/m³-S
Aliphatic poly	meric isocv	anate	None-A,O
	3779-63-3	None	0.5 mg/m³-S 8 hr TWA 1 mg/m³-S 15 min(STEL) None-A,O
Aromatic hyd	Irocarbon 4742-95-6	10.0 @ 25°	C None-A,O
Bis(1,2,2,6,6-		yl-4- piperdinyl) 6.0	
Butyl acetate			•
_	123-86-4	8.0	150 ppm-A,O 200 ppm-A 15 min (STEL)
Cumene	98-82-8	3.7	50 ppm-A,O Skin
Diethylene gl			5 ppm-D
		/ 0.1	None-A,O
	one 108-83-8	1.7	25 ppm-A 50 ppm-O
Ethyl acetate	141-78-6	76.0	400 ppm-A,O
Ethylbenzene	100-41-4	/ 7.0	100 ppm-A,O 125 ppm-A 15 min(STEL) 25 ppm-D 8&12 hr
	ol monobuty 112-07-2	ether acetate 0.3	20 ppm-D Skin

20 ppm-D Skin None-A,O

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING.

Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function which may be permanent. Individuals with breathing problems or prior reaction to isocyanates must not be exposed to vapors or spray mist of this product. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

physician. Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Specific Effects:

Acrylic Polymer-E Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. Aliphatic Polyisocyanate Resin Repeated exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Repeated overexposure to isocyanates may cause lung injury, including a overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. Aliphatic Polymeric Isocyanate Repeated exposure may cause allergic skin rash, itching swelling. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. May cause eye irritation with discomfort, tearing, or blurred vision. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased Susceptibility to the toxicity of excessive exposures. Aromatic Hydrocarbon & Medium Mineral Spirits Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

Bis(1,2,2,6,6-Pentamethyl-4-Piperdinyl) Sebacate Repeated exposure may cause allergic skin rash, itching, swelling. Butyl Acetate May cause abnormal liver function. Tests for embryotoxic activity in animals has been inconclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Diethylene Glycol Monobutyl Ether Contact may cause skin imitation with discomfort or rash. Recurrent overexposure may result in liver and kidney injury. High doses in laboratory animals have shown non specific effects such as irritation, weight loss, moderate blood changes. Tests for mutagenic activity in bacterial or mammalian cell cultures have been inconclusive. Diisobutyl Ketone Extremely high oral and inhalation doses in laboratory animals have shown weight changes in various organs such as the liver, kidney, brain, heart and adrenal gland. In addition liver and kidney injury were observed at the extremely high inhalation level. In another inhalation study there was a slight depression in the white blood cell count. Repeated exposure may cause allergic skin rash, itching, swelling. Ethyl Acetate Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in version excess. swelling and an excess of blood in various organs. Ethylbenzene Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. Has shown mutagenic activity in laboratory cell culture tests. Tests in some laboratory animals demonstrate carcinogenic activity. Individuals with preexisting diseases of the central nervous system, lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures. Ethylene Glycol Monobutyl Ether Acetate Can be absorbed through the skin in harmful amounts. May destroy red

blood cells. May cause abnormal kidney function. Heptane Contact may cause skin burns. May cause eye irritation with discomfort, tearing, or blurred vision. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Methyl Amyl Ketone Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Methyl Ethyl Ketone High concentrations have caused embryotoxic effects in laboratory animals. Methyl ethyl ketone has been demonstrated to tory animals. Metnyl etnyl kelone has been demonstrated to polentiate (i.e., shorten the time of onset) the peripheral neuropathy caused by either n-hexane or methyl n-butyl ketone. MEK by itself has not been demonstrated to cause peripheral neuropathy. Liquid splashes in the eye may result in chemical burns. Polyester Resin-C Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. Propylene Glycol Monomethyl Ether Acetate May cause moderate eye burning. Recurrent overexposure may result in liver and kidney injury. Xylene Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Individuals with the second of the skin in the skin in the second of the skin in t harmful amounts. Individuals with pre-existing disease of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the loxicity of excessive exposures. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. 1,6-Hexamethylene Diisocyanate May cause temporary upper respiratory and/or lung irritation with cough difficult breathing, or shortness of breath. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. This effect may be delayed for several hours after exposure. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

Section VI - Reactivity Data

Stability: Stable Incompatibility (materials to avoid): Water, amines, metal salts Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Do not breathe vapors. Do not get in eyes and on skin. Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C). eye protection, gloves and protective clothing. Pour liquid decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are:

20% Surfactant (Tergitol TMN 10) and 80% Water OR

0-10% Ammonia, 2-5% Detergent and Water (balance)

Confine and remove with inert absorbent. Pressure can be generated. <u>Do not</u> seal container. After 48 hours, material may be sealed and disposed of properly.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a positivepressure, supplied air respirator (NIOSH approved TC-19C), while mixing activator with paint, during application and until all vapors and spray mists are exhausted. Follow respirator manufacturer's (1)

directions for respirator use. Do not permit anyone without protection in the painting area.

Refer to the hardener/activator in bel instructions for further information.

Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to this product if mixed with isocyanate activators/hardeners Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Desirable in all industrial situations. Include splash quards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate

Section X - Other Information

PRODUCT CODE

INGREDIENTS(See Section II)

7005S aliphatic polyisocyanate resin, aromatic hydrocarbon, butyl acetate, diisobutyl ketone, ethyl acetate, 1,2,4-trimethyl benzene (0-2%*), 1,6-hexamethylene diisocyanate (<0.2%*) GAL WT: 8.70 WT PCT SOLIDS: 65.28 VOL PCT SOLIDS: 58.37 SOLVENT DENSITY: 7.26 VOC LE: 3.0 VOC AP: 3.0 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

aliphatic polymeric isocyanate, hexyl acetate isomers, propylene glycol monomethyl ether acetate, 1,6-hexamethylene diisocvanate (<0.2%

GISOCYANAE (<0.2%)
GAL WT: 9.00 WT PCT SOLIDS: 73.13 VOL PCT SOLIDS: 68.19
SOLVENT DENSITY: 7.60 VOC LE: 2.4 VOC AP: 2.4 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

7012S diisobutyl ketone, methyl amyl ketone, GAL WT: 6.77 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.77 VOC LE: 6.8 VOC AP: 6.8 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7020G acrylic polymer-a, acrylic polymer-c, acrylic polymer-g, aromatic hydrocarbon, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, cumene (0-1%*), ethyl acetate, ethylbenzene (1-3%*), ethylene glycol monobutyl ether acetate (1%*), methyl amyl ketone, methyl ethyl ketone (1%*), polyester resin-a, polyester resin-b, propylene glycol monomethyl ether resin-b, vivlene (0-13%*), 2(2*) acetate, xylene (9-12%*), 1,2,4-trimethyl benzene (0-4%*), 2(2'hydroxy-3,5'-diteramylphenyl)benzotriazole
GAL WT: 7.99 WT PCT SOLIDS: 45.31 VOL PCT SOLIDS: 39.37
SOLVENT DENSITY: 7.21 VOC LE: 4.4 VOC AP: 4.4 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

acrylic polymer-e, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, diethylene glycol monobutyl ether (2%*) methyl amyl ketone, methyl ethyl ketone (2%*), polyester resin-c, substituted benzotriazole

GAL WT: 8.24 WT PCT SOLIDS: 67.75 VOL PCT SOLIDS: 61.30 SOLVENT DENSITY: 6.87 VOC LE: 2.7 VOC AP: 2.7 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7030G acrylic polymer-c, acrylic polymer-g, aromatic hydrocarbon, butyl acetate, cumene (0-1%*), ethylbenzene (1-4%*), methyl amyl ketone, methyl ethyl ketone (1%*), propylene glycol Monomethyl ether acetate, xylene (11-14%*), 1,2,4-trimethyl

benzene (1-6%*)
GAL WT: 7.95 WT PCT SOLIDS: 41.28 VOL PCT SOLIDS: 35.47
SOLVENT DENSITY: 7.23 VOC LE: 4.7 VOC AP: 4.7 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7032E acrylic polymer-e, butyl acetate, methyl amyl ketone,

polyester resin-c, GAL WT: 8.28 WT PCT SOLIDS: 67.79 VOL PCT SOLIDS: 61.05 SOLVENT DENSITY: 6.85 VOC LE: 2.7 VOC AP: 2.7 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, acrylic polymer-f, acrylic polymer-g, aromatic hydrocarbon, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate ethyl acetate, ethylbenzene (1-3%*), ethylene glycol monobuty ether acetate (2%*), heptane, medium mineral spirits, methyl amyl

ketone, polyester resin-a, polyester resin-b, propylene glycol monomethyl ether acetate, xylene (9-12%*), 1,2.4-trimethyl benzene (0-2%*), 2(2'-hydroxy-3,5'-diteramylphenyl)benzotriazole GAL WT: 7.97 WT PCT SOLIDS: 45.89 VOL PCT SOLIDS: 39.46 SOLVENT DENSITY: 7.12 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHASTORAGE: IB

acrylic polymer-d, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, ethyl acetate, methyl amyl ketone, methyl ethyl ketone (10%*), propylene glycol monomethyl ether acetate, xylene (0-1%*), 2(2'-hydroxy-3,5'-diteramylphenyl) benzotriazole
GAL WT: 7.96 WT PCT SOLIDS: 50.80 VOL PCT SOLIDS: 43.36
SOLVENT DENSITY: 6.91 VOC LE: 3.9 VOC AP: 3.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, acrylic polymer-g, aromatic hydrocarbon, butyl acetate, ethyl acetate, ethylbenzene (1-4%*), ethylene glycol monobutyl ether acetate (1%*), methyl amyl ketone, polyester resin-a, propylene glycol monomethyl ether acetate, xylene (12-15%*), 1,2,4-trimethyl

GAL WT: 7.92 WT PCT SOLIDS: 40.20 VOL PCT SOLIDS: 34.07 SOLVENT DENSITY: 7.18 VOC LE: 4.7 VOC AP: 4.7 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7052E acrylic polymer-d, butyl acetate, methyl amyl ketone, methyl ethyl ketone (9%*), propylene glycol monomethyl ether acetate, xylene (0-1%*)
GAL WT: 7.91 WT PCT SOLIDS: 46.02 VOL PCT SOLIDS: 38.76
SOLVENT DENSITY: 6.97 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7065S acetone, ethyl acetate, methyl ethyl ketone (2%*), GAL WT: 7.23 WT PCT SOLIDS: 0.34 VOL PCT SOLIDS: 0.27 SOLVENT DENSITY: 7.22 VOC LE: 7.4 VOC AP: 5.6 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7075S butyl acetate, ethyl acetate, methyl amyl ketone, methyl ethyl ketone (30%*),
GAL WT: 7.10 WT PCT SOLIDS: 0.02 VOL PCT SOLIDS: 0.02
SOLVENT DENSITY: 7.10 VOC LE: 7.1 VOC AP: 7.1 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7085S butyl acetate, ethylene glycol monobutyl ether acetate (10%*), methyl amyl ketone, methyl ethyl ketone (20%*) GAL WT: 7.19 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.19 VOC LE: 7.2 VOC AP: 7.2 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

methyl ethyl ketone (7%*)
GAL WT: 7.14 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.14 VOC LE: 7.1 VOC AP: 7.1 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7095S butyl acetate, diisobutyl ketone, ethylene glycol monobutyl

7099S diisobutyl ketone, ethylane glycol monobutyl ether acetate (35%*), propylene glycol monomethyl ether acetate
GAL WT: 7.11 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.11 VOC LE: 7.1 VOC AP: 7.1 H: 2 F: 2
R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales

Prepared by D. G. Detweiler



ChromaClear® Clearcoat, Activator, & Reducers

Section I - Manufacturer

Manufacturer:

DuPont Co. Automotive

Wilmington, Delaware 19898

Telephone:

Product information (800)441-7515

Medical emergency (800) 441-3637

Medical emergency (800) 441-3037
Transportation emergency (800) 424-9300 (CHEMTREC)
Product: Isocyanate activators, hardeners & additives(2100S, 2105S, 2165S, 2175S, 2185S).
OSHA Hazard Class: Flammable liquid, except 2185S - Combustable liquid

Venor

Hazardous Materials Information: See Section X.

Section II - Hazardous Ingredients

(See Section X)

		Vapor		_
Ingredients	CAS No.	Pressure (20°C. mm	Hg)	Exposure Limits *
Acetone	67-64-1	184.0	1000 750 ppm	ppm-A 8 hr TWA ppm-O 8 hr TWA -A 15 min (STEL) ppm-D 8 & 12 hr
Acrylic polyr	ner lot available	None		None-A,O
Benzene, 1-	chloro-4 (trifl 98-56-6	ouromethyl) 5.3		25 ppm-S None-A.O
Bis(1,2,2,6,6	-pentamethy 11556-26-7	l-4-piperdinyl 6.0) sebacate	None-A,O
Butyl acetate	123-86-4	8.0	200 ppm	150 ppm-A,O -A 15 min (STEL)
Ethylbenzen	e 100-41-4	7.0	125 ppn	100 ppm-A,O n-A 15 min(STEL)
Polyester re	sin ot available	None		ppm-D 8 & 12 hr None-A,O
Methyl Amyl		140116		None-A,O
	110-43-0	2.2		50 ppm-A 100 ppm-O
Polyester res	sin			
6 Substituted b	5086-73-9 enzotriazole	None		None-A, O
	27519-19-9	None		None-A,O
Trimer of her	kamethylene 3779-63-3	diisocyanate None	1.0 mg/m	³ -S 15 min(STEL) 0.5 mg/m³-S None-A.O
Xylene	1330-20-7	7.0@ 25°C	10	100 ppm-A,O n-A 15 min(STEL) 0 ppm-D 8&12 hr
1,6-Hexamet	hylene diisoo 822-06-0	cyanate / Unknown	150 pp	m-D 15 min TWA 5 ppb-A None-O

A = ACGIH TLV; O = OSHA; D = DuPont internal limit; S = Supplier Furnished limit; STEL = Short Term Exposure Limit; C = Ceiling

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible

Percent volatile by volume: 37.7%-50.5% Percent volatile by weight: 36.7%-49.9% Boiling range: 54°C- 213°C/ 129.2° F- 415.4°F Gallon weight: 9.22-9.36 lbs./gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.8%- 11.5%

Extinguishing media: Universal aqueous film-forming foam.

carbon dioxide, dry chemical.

Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended.

Water from fog nozzles may be used to cool closed containers to prevent pressure build up.

Unusual fire & explosion hazards: When heated above the flash

point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Section V - Health Hazard Data

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING.

Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain prolonged overexposure to solvents may lead to permanent urain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Exposure to isocyanates may cause respiratory sensitization high. tion. This effect may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function which may be permanent. Individuals with breathing problems or prior reaction to isocyanates must not be exposed to vapors or spray mist of this product. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye contact: May cause irritation or burning of the eyes Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs,

contact a physician.

Specific Effects:

Acrylic polymer Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. Bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate Repeated exposure may cause allergic skin rash, itching, swelling. Butyl acetate May cause abnormal liver function. Tests for embryotoxic activity in animals has been inconclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Ethylbenzene Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. Has shown mutagenic activity in laboratory cell culture tests. Tests in some laboratory animals demonstrate carcinogenic activity. Individuals with preexisting diseases of the central nervous system, lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures. Methyl amyl ketone Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Trimer of hexamethylene diisocyanate Repeated exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing,

or blurred vision. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. Xylene Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Individuals with pre-existing disease of the central nervous system. kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. 1,6hexamethylene diisocyanate May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

Section VI - Reactivity Data

Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Do not breathe vapors. Do not get in eyes and on skin. Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C), eye protection, gloves and protective clothing. Pour liquid decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solution are stabilized for independent and allowed the spill and allow to sit at least 10 minutes. Typical decontamination solutions are stabilized for independent and spill tamination solutions for isocyanate containing materials are:

20% Surfactant (Tergitol TMN 10) and 80% Water OR

0-10% Ammonia, 2-5% Detergent and Water (balance)

Confine and remove with inert absorbent. Pressure can be generated. Do not seal container. After 48 hours, material may be sealed and disposed of properly.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a positive-pressure, supplied air respirator (NIOSH approved TC-19C), while mixing activator with paint, during application and until all vapors and spray mists are exhausted. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area.

Refer to the hardener/activator label instructions for further

Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to this product if mixed with isocyanate activators/hardeners. Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits. Protective clothing: Neoprene gloves and coveralls are recom-

Eye protection: Desirable in all industrial situations, Include splash guards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate

Section X - Other Information

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372

PRODUCT CODE

INGREDIENTS (See Section II)

2100S acetone, acrylic polymer, benzene,1-chioro-4 (trifluoromethyl), bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate. butyl acetate, polyester resin, methyl amyl ketone, polyester resin, substituted benzotriazole GAL WT: 9.22 WT PCT SOLIDS: 50.13 VOL PCT SOLIDS: 49.45 SOLVENT DENSITY: 9.10 VOC LE: 2.2 VOC AP: 1.6 H: 2 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

benzene,1-chloro-4 (trifluoromethyl), ethylbenzene (1-210S benzene, 1-chloro-4 (trilluoromethyl), ethylpenzene (1-3%*), methyl amyl ketone, trimer of hexamethylene diisocyanate, xylene (10-13%*), 1,6-hexamethylene diisocyanate (<0.2%*) GAL WT: 9.36 WT PCT SOLIDS: 63.63 VOL PCT SOLIDS: 62.26 SOLVENT DENSITY: 9.02 VOC LE: 1.7 VOC AP: 1.4 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC

2165S acetone, benzene,1-chloro-4 (trifluoromethyl), GAL WT: 7.24 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.24 VOC LE: 0.0 VOC AP: 0.0 H: 2 F: 3 R: 1 FLASH PT: BELOW 20 F (CC) **OSHA STORAGE: IB**

2175S acetone, benzene,1-chloro-4 (trifluoromethyl),
GAL WT: 8.71 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 8.71 VOC LE: 0.0 VOC AP: 0.0 H; 2 F; 3 R;
1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

2185S benzene,1-chloro-4 (trifluoromethyl),
GAL WT: 11.15 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 11.15 VOC LE: 0.0 VOC AP: 0.0 H: 1 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales

Prepared by D. G. Detweiler



200 ppm-D 8&12 hr TWA 300 ppm-D 15 min TWA

CHROMABASE® CLEAR, ACTIVATOR, REDUCERS

Methyl isobutyl ketone

Section I - Manufacturer

Manufacturer:

DuPont Co.

Automotive

Wilmington, Delaware 19898

Telephone:

Product information (800)441-7515

Medical emergency (800) 441-3637
Transportation emergency (800) 424-9300 (CHEMTREC)
Product: Chromabase® Clear, Activator, Reducers(7500S, 7565S, 7575S, 7585S, 7595S, 7600S, 7655S, 7675S, 7695S, 7800S, 7875S, 7895S).

OSHA Hazard Class: Flammable liquid

DOT Shipping Name: See DOT addendum. Hazardous Materials Information: See Section X.

Section II - Hazardous Ingredients

(See Section X)

112-07-2

88230-35-7

78-93-3

Hexyl acetate isomers

Methyl ethyl ketone

IngredientsCAS No.	Vap Press (20°C. m	ure	Exposure Limits
Acetic acid ester of C9-0 108419-34-7	0.1@ 21°C	I	' 50 ppm-S
Acetone			None-A,O
67-64-1	184.0	1000 pj 750 ppm-/	pm-A 8 hr TWA pm-O 8 hr TWA A 15 min(STEL) ppm-D 8&12 hr
Acrylic polymer-A			
69215-54-9 Acrylic polymer-B	None		None-A,O
Not Available Acrylic polymer-C	None		None-A,O
Not Available	None		None-A,O
Aliphatic polyisocyanate 28182-81-2	resin None	4	0.5 ma/m³-S
		i mg/m³-:	S 15 min(STEL) None-A.O
Aliphatic polymeric isocy: 3779-63-3	anate Unknown	0.5 mg/ 1 mg/m³-	mone-A,O m3-S 8 hr TWA S 15 min(STEL) None-A,O
Aromatic hydrocarbon 64742-95-6	10.0 @ 25°C		None-A,O
Benzene, 1-chloro-4 (trifl 98-56-6	uoromethy!) 5.3	25	ppm-S Ceiling None-A.O
Butyl acetate			NUIIe-M,O
123-86-4	8.0	200 ppm-A	150 ppm-A,O (STEL)
Cumene -			,
98-82-8 Ethyl acetate	3.7	50	ppm-A,O Skin
141-78-6 Ethyl 3-ethoxy propionate	76.0		400 ppm-A,O
763-69-9 Ethylbenzene	Unknown		None-A,O
100-41-4	7.0	125 ppm-A 25 r	100 ppm-A,O 15 min(STEL) ppm-D 8&12 hr
Ethylene glycol monobutyl	ether acetate		20 D. Cl.:-

0.3

0.7

71.0

20 ppm-D Skin None-A,O

200 ppm-A,O

None-O

50 ppm-A Hexyl Acet

300 ppm-A 15 min(STEL)

	outy i notoric		
	108-10-1	15.0	50 ppm-A
			100 ppm-O
			75 ppm-A 15 min(STEL)
Polyester	resin-A		(Opphi-X 15 min(STEL)
,	65086-73-9	None	\$1a== \$ 6
Polyester		MOHE	None-A,O
1 Olyestel		41	
0	Not Available	None	None-A,O
Propylene	glycol monometi		ate
	108-65-6	- 3.7	None-A,O
_			10 ppm-D
Toluene	108-88-3	36.7	50 ppm-A Skin
	_ ·		200 ppm-O
	·		300 ppm-O Ceiling
			500 ppm-O 10 min MAX
Xylene	1330.20 7 7	M @ 2500	50 ppm-D 8&12 hr TWA
Aylene	1330-20-7	.0 @ 25°C	100 ppm-A,O
	,		150 ppm-A (STEL)
			100 ppm-D 8&12 hr
404-			150 ppm-D 15 min TWA
1,2,4-1nm	ethyl Benzene		• •
	95-63-6 7.0	@ 44.4°C	25 ppm-A,O
1,6-hexan	nethylene diisocy	anate 🗸 🦈	20 pp 7 1,0
-	822-06-0	Unknown	5 nnh A
		······	5 ppb-A
			None-O

A = ACGIH TLV; O= OSHA; D = DuPont internal limit; S= Supplier Furnished limit; STEL = Short Term Exposure Limit; C= Ceiling.

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible Percent volatile by volume: 34.3%- 72.8%
Percent volatile by weight: 28.7%- 67.1%
Boiling range: 76°C- 249°C/ 169°F- 480°F
Gallon weight: 7.75 - 9.02 lb/gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.9%- 13.1% Extinguishing media: Universal aqueous film-forming foam, carbon dioxide, dry chemical. Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.
Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING. Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function which may be permanent. Individuals with breathing problems or prior reaction to isocyanates must not be exposed to vapors or spray mist of this isocyanates must not be exposed to vapors or spray mist of this product. If affected by inhalation of vapor or spray mist, remove to

fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye contact: May cause irritation or burning of the eyes Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water, if irritation occurs, contact a physician.

Specific Effects:

Aliphatic Polyisocyanate Resin Repeated exposure may cause Aliphatic Polyisocyanate Resin Repeated exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, asthma-like reactions with shortness or breatn, wneezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. Aliphatic Polymeric Isocyanate Repeated exposure may cause allergic skin rash, itching, swelling. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. May cause eye irritation with discomfort, tearing, or blurred vision. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. Aromatic Hydrocarbon Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

Butyl Acetate May cause abnormal liver function. Tests for embryotoxic activity in animals has been inconclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Ethyl Acetate Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs. Ethyl 3-Ethoxy Propionate Has been toxic to the fetus in laboratory animals at doses that are Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Ethylbenzene Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. Has shown mutagenic activity in laboratory cell culture tests. Tests in some laboratory animals demonstrate carcinogenic activity. Individuals with preexisting diseases of the central nervous system, lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures. Ethylene Glycol Monobutyl Ether Acetate Can be absorbed through the skin in harmful. Ether Acetate Can be absorbed through the skin in harmful amounts. May destroy red blood cells. May cause abnormal kidney function. Methyl Ethyl Ketone High concentrations have caused embryotoxic effects in laboratory animals. Methyl ethyl ketone has been demonstrated to potentiate (i.e., shorten the time of onset) the peripheral neuropathy caused by either n-hexane or methyl n-butyl ketone. MEK by itself has not been demonstrated to cause peripheral neuropathy. Liquid splashes in the eye may result in chemical burns. Methyl Isobutyl Ketone Recurrent overexposure may result in liver and kidney injury. Individuals with preexisting diseases of the central nervous system or lungs may have increased susceptibility to the toxicity of excessive exposures. Polyester Resin Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. Propylene Glycol Monomethyl Ether Acetate May cause moderate eye burning. Recurrent overexposure may result in liver and kidney injury. Toluene Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Chromosomal changes in the circulating blood of exposed workers have been reported. The significance of these reports is unclear because of exposure to other substances. Individuals with preexisting diseases of the central nervous system may have increased exposed by the contral nervous system. may have increased susceptibility to the toxicity of excessive exposures. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm. Xylene Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Individuals with pre-existing disease of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures.

Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. 1,6-Hexamethylene Diisocyanate May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

Section VI - Reactivity Data

Stability: Stable incompatibility (materials to avoid): Water, amines, metal salts Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Do not breathe vapors. Ventilate area. Remove sources or ignition. Do not breatile vapora Do not get in eyes and on skin. Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C), eye protection, gloves and protective clothing. Pour liquid decontamination solution. over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are:

20% Surfactant (Tergitol TMN 10) and 80% Water OR

0-10% Ammonia, 2-5% Detergent and Water (balance)

Confine and remove with inert absorbent. Pressure can be generated. Do not seal container. After 48 hours, material may be sealed and disposed of properly.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a positivepressure, supplied air respirator (NIOSH approved TC-19C), while mixing activator with paint, during application and until all vapors and spray mists are exhausted. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area.

Refer to the hardener/activator label instructions for further

information.

Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to this product if mixed with isocyanate activators/hardeners Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits. Protective clothing: Neoprene gloves and coveralls are recom-

Eye protection: Desirable in all industrial situations, include splash guards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation.

Section X - Other Information

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

PRODUCT CODE

INGREDIENTS (See Section II)

7500S acrylic polymer-c, butyl acetate, ethyl acetate, ethylbenzene (2-6%*), hexyl acetate isomers, methyl isobutyl ketone (3%*), polyester resin-b, propylene glycol monomethyl ether acetate, toluene (1%*), xylene (18-22%*)
GAL WT: 8.02 WT PCT SOLIDS: 32.94 VOL.2CT SOLIDS: 27.13
SOLVENT DENSITY: 7.38 VOC LE: 5.4 VOC AP: 5.4 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB

7565S aliphatic polymeric isocyanate, ethyl acetate, GAL WT: 8.38 WT PCT SOLIDS: 47.98 VOL PCT SOLIDS: 41.66 SOLVENT DENSITY: 7.47 VOC LE: 4.4 VOC AP: 4.4 H:3 F:3 R:1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7575S aliphatic polymeric isocyanate, butyl acetate, ethyl acetate, ethylbenzene (2-7%*), toluene (4%*), xylene (20-24%*) GAL WT: 8.26 WT PCT SOLIDS: 48.29 VOL PCT SOLIDS: 41.34 SOLVENT DENSITY: 7.28 VOC LE: 4.3 VOC AP: 4.3 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7585S aliphatic polymeric isocyanate, ethylbenzene (2-6%*), hexyl acetate isomers, propylene glycol monomethyl ether acetate, xylene (17-20%*)
GAL WT: 8.37 WT PCT SOLIDS: 47.72 VOL PCT SOLIDS: 41.38
SOLVENT DENSITY: 7.46 VOC LE: 4.4 VOC AP: 4.4 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC

7595S aliphatic polymeric isocyanate, ethyl 3-ethoxy propionate, ethylene glycol monobutyl ether acetate (20%*)
GAL WT: 8.59 WT PCT SOLIDS: 46.43 VOL PCT SOLIDS: 41.35
SOLVENT DENSITY: 7.85 VOC LE: 4.6 VOC AP: 4.6 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 140 - 200 F (CC) OSHA STORAGE: IIIA

7600S acetone, acrylic polymer-a, benzene,1-chloro-4 (trifluoromethyl), butyl acetate, ethylbenzene (2-5%*), methyl ethyl ketone (12%*), toluene (1%*), xylene (15-19%*) GAL WT: 7.95 WT PCT SOLIDS: 36.25 VOL PCT SOLIDS: 30.65 SOLVENT DENSITY: 7.31 VOC LE: 4.0 VOC AP: 2.9 H: 2 F: 3 R: 1 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB

7601S acrylic polymer-a, aromatic hydrocarbon-a, butyl acetate, ethylbenzene (1-4%*), methyl ethyl ketone (28%*), propylene glycol monomethyl ether acetate, toluene (28%*), xylene (12-15%*), 1,2,4-trimethyl benzene (0-2%*)
GAL WT: 7.17 WT PCT SOLIDS: 3.72 VOL PCT SOLIDS: 2.84
SOLVENT DENSITY: 7.11 VOC LE: 6.9 VOC AP: 6.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7655S aliphatic polyisocyanate resin, aromatic hydrocarbon-a,

butyl acetate, toluene (27%*), GALWT: 8.09 WT PCT SOLIDS: 39.00 VOL PCT SOLIDS: 32.34 SOLVENT DENSITY: 7.29 VOC LE: 4.9 VOC AP: 4.9 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7675S aliphatic polyisocyanate resin, aromatic hydrocarbon-a, butyl acetate, propylene glycol monomethyl ether acetate GAL WT: 8.32 WT PCT SOLIDS: 37.50 VOL PCT SOLIDS: 31.99 SOLVENT DENSITY: 7.65 VOC LE: 5.2 VOC AP: 5.2 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC

7695S aliphatic polyisocyanate resin, aromatic hydrocarbon-a, butyl acetate, cumene (0-1%*), ethyl 3-ethoxy propionate, 1,2,4-trimethyl benzene (1-7%*)
GAL WT: 8.34 WT PCT SOLIDS: 37.59 VOL PCT SOLIDS: 32.14
SOLVENT DENSITY: 7.67 VOC LE: 5.2 VOC AP: 5.2 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

7800S acrylic polymer-b, aromatic hydrocarbon-a, butyl acetate, cumene (0-1%*), ethyl acetate, methyl ethyl ketone (10%*), polyester resin-a, propylene glycol monomethyl ether acetate, toluene (2%*), xylene (0-1%*), 1,2,4-trimethyl benzene (1-6%*) GAL WT: 8.11 WT PCT SOLIDS: 34.69 SOLVENT DENSITY: 7.30 VOC LE: 4.7 VOC AP: 4.6 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7875S aliphatic polymeric isocyanate, ethyl acetate, toluene (8%*), 1,6-hexamethylene diisocyanate (<0.2%*), GAL WT: 8.89 WT PCT SOLIDS: 71.33 VOL PCT SOLIDS: 65.69 SOLVENT DENSITY: 7.43 VOC LE: 2.5 VOC AP: 2.5 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7895S aliphatic polymeric isocyanate, ethyl 3-ethoxy propionate, ethylene glycol monobutyl ether acetate (5%*), 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 9.02 WT PCT SOLIDS: 69.17 VOL PCT SOLIDS: 64.66
SOLVENT DENSITY: 7.87 VOC LE: 2.8 VOC AP: 2.8 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

7899S acetic acid ester of c9-11 oxo-alcohol, aliphatic polymeric isocyanate, hexyl acetate isomers, 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 8.81 WT PCT SOLIDS: 70.92 VOL PCT SOLIDS: 64.74
SOLVENT DENSITY: 7.27 VOC LE: 2.6 VOC AP: 2.6 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales

Prepared by D. G. Detweiler



5 ppm-D None-A O

5 ppm-D None-A,O

VOC PRODUCTS

Section I - Manufacturer					
Manufacturer:					
DuPont Co.					
Automotive					
Wilmington, Delaware 19898					
Telephone:					
Product information (800)441-7515					

Medical emergency (800) 441-3637 Transportation emergency (800) 424-9300 (CHEMTREC) Product: Low VOC Primers, Thinners, Basemakers, Clears and Activators.

OSHA Hazard Class: Not Regulated; Flammable liquid DOT Shipping Name: See DOT addendum. Hazardous Materials Information: See Section X.

Section II - Hazardous Ingredients

(See Section X)

Ingredients	CAS No.	Vapor Pressure (20°C. mm Hg)	Exposure Limits
Acetic acid	ester 90438-79-2	Unknown	None-A,O
Acetic acid e	ester of C9-11 Ox 08419-34-7	o-alcohol 0.1 @ 21℃	50ppm-S
Acetone	67-64-1	100	None-A,O 00 ppm-A 8 hr TWA 0 ppm-O 8 hr TWA m-A 15 min (STEL) 500 ppm-D 8 hr
	9011-14-7	None	None-A,O
	5133-97-5	None	None-A,O
	ot Available	None	None-A.O
	ot Available	None	None-A,O
	9215-54-9	None	None-A,O
	ot Available	None	None-A,O
Acrylic polyn	ot Available	None	None-A,O
Acrylic polym No Acrylic polym	ot Available	None	None-A,O
Acrylic polyn	ot Available	None	None-A,O
	ot Available	None	None-A,O
	t Available	None	None-A,O
	ot Available	None	None-A,O
	4032-39-5	None	None-A ₋ O
	t Available	None	None-A,O
	5852-37-3	None	None-A,O
80 Acrylic potym	0010-53-3 er-Q	None	None-A,O
Aliphatic hydr	t Available ocarbon/ aliphatic	None ester/ surfactant	None-A ₋ O
No	t Available	0.2 @ 25°C	None-A,O

	Aliphatic polyamine		
	Not Available Aliphatic polyisocyanate poly	Unknown mer	None-A,O
	Not Available	None	None-A,O
	Aliphatic polyisocyanate resir 28182-81-2	n None	0.5 mg/m³-S
	•	11	mg/m³-S 15 min (STEL)
	Aliphatic polymeric isocyanat		None-A, O
	3779-63-3	None	0.5 mg/m³-S
		1:	mg/m³-S 15 min (STEL)
	Atiphatic solvent mixture		None-A,O
	Not Available Alkyd resin	Unknown	None-A,O
	Not Available	None	None-A,O
	Aromatic hydrocarbon A		Worle-A,O
	64742-95-6 Aromatic hydrocarbon B	10.0 @ 25°C	None-A,O
	64742-94-5	10.0	None-A,O
	Barium sulfate 7727-43-7	None	10 molm3 A Tabel Done
	1121-40-1		10 mg/m³-A Total Dust 15 mg/m³-O Total Dust
;		5 m	g/m³-O Dust, 8 hr Resp
	Benzene,1-chloro-4 (trifluoros	methyl)	10 mg/m³-D 8 hr TWA
	98-56-6	5.3	25 ppm-S Ceiling
	Beta-(3-(2H-benzotriazole- 2-)	/I)-4-hvdroxv- 5	None-A,Ō
	propionate		tore buty prierryry
	104810-47-1 Bis(1-2,2,6,6- pentamethyl-4-	None	None-A,O
	41556-26-7	60	None-A,O
	Bisphenol a/epichlorohydrin pi 25036-25-3	olymer None	None-A,O
	Bisphenol a/epoxy,phenolic re	esin	None-A,O
	68334-76-9 Bisphenol-epichlorohydrin type	None e polymer	None-A,O
	25068-38-6	None	None-A,O
	Blocked diamine Not Available	0.4	None-A,O
	Butyl Acetate 123-86-4	8.0	150.0 ppm-A,O
	Butyl henzyl phthalate	20	0 ppm-A 15 min (STEL
	Butyl benzyl phthalate 85-68-7	8.0	5mg/m³-D
	Coloires Combanata		None-A,O
	Calcium Carbonate 471-34-1	None	10 mg/m³-A
		,,,,,,	15 mg/m³-O
	Calcium strontium zinc phosph	nsilicate	5 mg/m³-Ŏ Resp
	66402-68-4	None	10 mg/m³-A
			15 mg/m³-O 5 mg/m³-O Resp
	Carbon black		Jangani-O Kesp
	1333-86-4	None	3.5 mg/m³-A,O 0.5 mg/m³-D
	Cellulose acetate butyrate		O.Strig/m²-D
	9004-36-8 Cumene	None	None-A,O
	98-82-8	3.7	50 ppm-A,O Skin
	Cyclohexane 110-82-7	100 0 @ 6000	
		100.0 @ 60°C	300 ppm-A,O 50 ppm-D 12 hr TWA
İ	Dehydrated castor oil 64147-40-6		
	0 + 1 + 1 - + 0 + 0	Unknown	None-A,O

Diethylene glycol monobutyl ether-A 112-34-5

Diethylene glycol monobutyl ether-B 112-34-5

Diisobutyl ketone

108-83-8	1.7	25 ppm-A 50 ppm-O	Polyamide resin	,	100 ppm-D
Ethyl acetate 141-78-6	76.0	400 ppm-A,O	68410-23-1 Polyester Not Available	None None	None-A,O None-A,O
Ethyl 3-ethoxy propionate 763-69-9 Ethylbenzene	Unknown	None-A,O	Polyester resin A Not Available Polyester resin B	Unknown	None-A,O
100-41-4	7.0 12	100 ppm-A,O 5 ppm-A 15 min(STEL)	65086-73-9 Polyester resin C	None	None-A.O
	1	25 ppm-D 8&12 hr	Not Available	None	None-A,O
Ethylene glycol monobutyl ethe 112-07-2	r acetate /	20 ppm-D Skin	Polyester resin D Not Available	None	None-A,O
Ethylene glycol monobutylether	,	/ None-A,O	Polyester resin E Not Available	None	None-A,O
111-76-2	0.6	25 ppm-A Skin 50 ppm-O Skin	Polyester resin F Not Available	None	None-A,O
Name		10 ppm-D Skin	Polyethylene arnine mixture		
142-82-5	40.0	400 ppm-A 500 ppm-O	Not Available Polyethylene/vinyl acetate	None	25 ppm-S None-A,O
	50	0 ppm-A 15 min(STEL)	Not Available	None	None-A,O
Hexyl acetate isomers 88230-35-7	0.7	50 ppm-A Hexyl Acet	Polyisocyanate resin. Not Available	None	None-A.O
Hindered Amine	•	None-O	Potassium sodium silicoalumin Not Available		10 mg/m²-A.O Dust
129757-67-1	Unknown	None-A,O	_	None	5 mg/m*-O Resp
Hydrous magnesium silicate 14807-96-6	None	2 mg/m³-A Resp	Primary armyl acetate 628-63-7	4.0	100 ppm-A.O
	,	None-Ö	Propionic acid, n-butyl ester		.,
Iron oxide 1309-37-1	None	.5 mg/m³-D Resp 5 mg/m³-A	590-01-2 Propylene glycol methyl ethyl	3.4 @ 25°C	None-A.O
Isobutyl acetate		10 mg/m³-O	107-98-2	10.9 @ 25°C	100 ppin-A
110-19-0	12.5	150 ppm-A,O		150 þ	pm-A 15 min(STEL) None-O
Isopropyl alcohol 67-63-0	33.0	400 ppm-A,O	Propylene glycol monomethyl 108-65-6	ether acetate 3.7	None-A.O
5. 55 5		0 ppm-A 15 min(STEL)	100-03-0	2 3.7	10 ppm-D
Ketamine		400 ppm-D 8&12 hr	Silica alumina ceramic Not Available	None	10 mg/m³-A
Not Available Medium mineral spirits	24.7 @ 50°C	None-A,O	Not Available	TTOTIC	15 mg/m³ -O 5 mg/m³ -O Resp
64742-88-7	10.0	100 ppm-D None-A,O	Substituted benzotriazole 127519-17-9	None	None-A.O
Methyl alcohol 67-56-1	100.0	200 ppm-A Skin	Titanium dioxide 13463-67-7	None	10 ma/m ! A O
0. 50 .		200 ppm-O	13403-07-7	None	10 mg/m²-A.O 5 mg/m²-O Resp
		om-D Skin 8&12 hrTWA 0 ppm-A 15 min(STEL)	Toluene		10 mg/m³-D
Methyl amyl ketone			108-88-3	36.7	50 ppm-A Skin
110-43-0	`2.2	50 ppm-A 100 ppm-O			200 ppm-O 300 ppm-O Ceiling
Methyl ethyl ketone	74.0	• •		500	ppm-Ö 10 min MAX
78-93-3	71.0 30	200 ppm-A,O 0 ppm-A 15 min(STEL)	Trimer of hexamethylene dilso	50 p cvanate	pm-D 8&12 hr TWA
/	20	0 ppm-D 8&12 hr TWA	3779-63-3	None 1 mg/	m -S 15 min(STEL)
Methyl isoamyl ketone	3	00 ppm-D 15 min TWA	·		0.5 mg/m³-S None-A,O
110-12-3	4.5	50 ppm-A	VM&P Naphtha		•
Methyl isobutyl carbinol		None-O	64742-89-8	15.0 @ 37.8 °C	300 ppin-A.O pm-O 15 min(STEL)
108-11-2	2.2	25 ppm-A,O Skin	•••	400 р	100 ppm-D
Methyl isobutyl ketone	4	0 ppm-A 15 min(STEL)	Water 7732-18-5	23.6	None-A,O
108-10-1	15.0	50 ppm-A		20.0	110110-71,0
	7:	100 ppm-O 5 ppm-A 15 min(STEL)	Wollastonite 13983-17-0	None 2	0 fibers/cc -D Resp
Methyl n-propyl ketone			-		None-A.O
107-87-9	27.8 25	200 ppm-A.O 0 ppm-A 15 min(STEL)	Xylene 1330-20-7	7.0 @ 25°C	100 ppm-A.O
Mixed dibasic esters	0.2	40 malm3 D		150 p	pm-A 15 min(STEL)
Not Available	0.2	10 mg/m³-D None-A,O			100 ppm-D 8&12 hr ppm-D 15 min TWA
n-butyl alcohol 71-36-3	5.5	50 ppm-A Ceiling Skin	Zinc phosphate A		
77-30-3	3.3	100 ppm-O	7779-90-0	None	10 mg/m ² -A.O 5 mg/m ³ -O Resp
		25 ppm-D 50 ppm-D 15 min. TWA	Zinc phosphate B Not Available	None	10 mg/m²-A
Naphthalene			NOL AVAIIADIE	NOIE	None-O
91-20-3. / Oxo-octyl acetate	1.0 @ 52.6°C	10 ppm-A,O	124-Trimethyl honzona		
108419-32-5	1.0 @ 25°C	50 ppm-S	1,2,4-Trimethyl benzene 95-63-6	7.0 @ 44.4°C	25 ppm-A.O
Petroleum naphtha		None-A,O	1,6 Hexamethylene diisocyana 822-06-0		
64742-89-8	50.0 @ 25°C	300 ppm-A,O			5 ppb-A None-O
	, 4 0	0 ppm-O 15 min(STEL)	2(2-Hydroxy-3,5-diteramylphe	nyl) benzotriazok	€

None-A,O	Unknown	25973-55-1
None-A.O	Unknown	2-Hexyloxyethanol 112-25-4
None-A,O		2-Propoxyethanol-A
25 ppm-S Skin None-A,O	1.3 @ 25 C	2807-30-9
		2-Propoxyethanol -B
25 ppm-S Skin	1.3 @ 25 °C	2807-30-9

None-A.O 2.2,4 Trimethyl-1,3 pentanediol monoisobutyrate 25265-77-4 40.0 None-A.O

A = ACGIH TLV; O = OSHA; D = DuPont internal limit; S = Supplier Furnished limit; STEL = Short Term Exposure Limit; C = Ceiling

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible

Percent volatile by volume: 4.7% - 100% Percent volatile by weight: 3.8% - 100% Boiling range: 54°C - 900°C/ 129°F - 1652°F Gallon weight: 6.57 - 13.31 lb/gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.7 - 23.0%

Extinguishing media: Universal aqueous film-forming foam,

carbon dioxide, dry chemical.

Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.

Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING. Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty presses, or occurs later, consult a physician. Additional effects when this material contains, or is mixed with an isocyanate activator/ hardener. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function which may be permanent. Individuals with or breathing problems or prior reaction to isocyanates must not be exposed to vapors or spray mist of this product

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Specific Effects:

Acetic Acid Ester Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Over exposure may cause eye, nose and throat irritation. Repeated or prolonged liquid contact may cause skin irritation and dermatitis. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. **Acrylic Polymer-D** Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Acrylic Polymer-I, J, K, L, N, & Q Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. Aliphatic

Polyisocyanate Polymer Repeated exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Aliphatic Polyisocyanate Resin & Aliphatic Polymeric Isocyanate Repeated exposure may cause allergic skin rash, itching, swelling. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. May cause eye irritation with discomfort, tearing, or blurred vision. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. Aromatic Hydrocarbon-A & B Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors Bis(1,2,2,6,6-Pentamethyl-4-Piperdinyl) Sebacate & Bisphenol-Epichlorohydrin Type Polymer Repeated exposure may cause allergic skin rash, itching, swelling, Bisphenol A/Epichlorohydrin Polymer Repeated exposure may cause allergic skin rash, itching, swelling. Has shown mutagenic activity in laboratory cell culture tests. Butyl Acetate May cause abnormal liver function. Tests for embryotoxic activity in animals has been inconclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Butyl Benzyl Phthalate Extremely high oral doses have caused tissue changes in the liver and testes of laboratory animals. Extremely high vapor aerosol doses have caused atrophy of the spleen and reproductive organs. Mice and rats were fed diets containing 0.6% and 1.2% of butyl benzyl phthalate. At the highest dose leukemias of the blood forming system were seen in female rats. No leukemia effect was seen in the female rats fed the lower level or in any of the mice. Carbon Black Is an IARC, NTP or OSHA carcinogen. Diethylene Glycol Monobutyl Ether-A Contact may cause skin irritation with discomfort or rash. Recurrent overexposure may result in liver and kidney injury. High doses in laboratory animals have shown non specific effects such as irritation, weight loss, moderate blood changes. Tests for mutagenic activity in bacterial or mammalian cell cultures have been inconclusive. Diethylene Glycol Monobutyl Ether-B Contact may cause skin irritation with discomfort or rash. Recurrent overexposure may result in liver and kidney injury. High doses in laboratory animals have shown non specific effects such as irritation, weight loss, moderate blood changes. Tests for mutagenic activity in bacterial or mammalian cell cultures have been inconclusive. Diisobutyl Ketorie Extremely high oral and inhalation doses in laboratory animals have shown weight changes in various organs such as the liver, kidney, brain, heart and adrenal gland. In addition liver and kidney injury were observed at the extremely high inhalation level. In another inhalation study there was a slight depression in the white blood cell count. Repeated exposure may cause allergic skin rash, itching, swelling. Ethyl Acetate Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs. Ethyl 3-Ethoxy Propionate Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Ethylbenzene Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. Has shown mutagenic activity in laboratory cell culture tests. Tests in some laboratory animals demonstrate carcinogenic activity Individuals with preexisting diseases of the central nervous system, lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures. Ethylene Glycol Monobutyl Ether Acetate Can be absorbed through the skin in harmful amounts. May destroy red blood cells. May cause abnormal kidney function. Ethylene Glycol Monobutylether Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in

laboratory animals at doses that are toxic to the mother. Heptane Contact may cause skin burns. May cause eye irritation with discomfort, tearing, or blurred vision. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Hydrous Magnesium Silicate Repeated and prolonged overexposure to talc may lead to typical x-ray changes and chronic lung disease. Isopropyl Alcohol Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Medium Mineral Spirits Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Methyl Alcohol Excessive human exposure to methanol may lead to: fatigue, headache, anaesthetic, neurologic effects, and visual difficulties including blindness or death. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Methyl Amyl Ketone Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Methyl Ethyl Ketone High concentrations have caused embryotoxic effects in laboratory animals. Methyl ethyl ketone has been demonstrated to potentiate (i.e., shorten the time of onset) the peripheral neuropathy caused by either n-hexane or methyl n-butyl ketone. MEK by itself has not been demonstrated to cause peripheral neuropathy. Liquid splashes in the eye may result in chemical burns. Methyl Isoamyl Ketone Extremely high oral doses in laboratory animals have shown weight changes in various organs such as the liver, kidney and adrenal gland. In addition liver injury was observed. Methyl Isobutyl Carbinol Male rats exposed to very high airborne levels showed an increase in kidney weights. These effects were not seen in male rats exposed to lower concentrations, or in female rats at the same level. Liquid splashes in the eye may result in chemical burns. Extremely high concentrations have caused blood changes and weakness in laboratory animals. Methyl isobutyl Ketone Recurrent overexposure may result in liver and kidney injury. Individuals with preexisting diseases of the central nervous system or lungs may have increased susceptibility to the toxicity of excessive exposures. Mixed Dibasic Esters High airborne levels in rats have shown mild blury to the effector region of the levels in rats have shown mild injury to the olfactory region of the nose. N-Butyl Alcohol Liquid splashes in the eye may result in chemical burns. May cause abnormal blood forming function with anemia. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Naphthalene Recurrent overexposure may result in liver and kidney injury. Individuals with preexisting diseases of the liver or kidneys may have increased susceptibility to the toxicity of excessive exposures. Petroleum Naphtha Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Polyester Resin-C & D Contact may cause skin irritation with discomfort or not. irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. Polyisocyanate Resin Repeated exposure may cause allergic skin rash, itching, swelling. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. May cause eye irritation with discomfort, tearing, or blurred vision. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be permanent: or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. Primary Amyl Acetate Recurrent overexposure may result in liver and kidney injury. Propylene Glycol Methyl Ether Overexposure may lead to kidney, liver and lung damage. Individuals with preexisting diseases of the liver may have increased susceptibility to the toxicity of excessive exposures. Can be absorbed through the skin in harmful amounts. Propyled. Can be absorbed through the skin in harmful amounts. Propylene Glycol Monomethyl Ether Acetate May cause moderate eye burning. Recurrent overexposure may result in liver and

kidney injury. Titanium Dioxide In a lifetime inhalation test, lung respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwheimed and that the results at the massive 250 mg/m3 level are not relevant to the workplace. Toluene Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits The significance of this to man is unknown. Chromosomal changes in the circulating blood of exposed workers have been reported. The significance of these reports is unclear because of exposure to other substances. Individuals with preexisting diseases of the central nervous system may have increased susceptibility to the toxicity of excessive exposures. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm. Trimer Of Hexamethylene Diisocyanate Repealed exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Repealed overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. VM&P Naphtha Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Xylene Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Individuals with pre-existing disease of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. 1,6-Hexamethylene Diisocyanate May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased supporting the state of processing appropriate. susceptibility to the toxicity of excessive exposures. 2
Propoxyethanol-A & B Can be absorbed through the skin in harmful amounts. May destroy red blood cells. Overexposure may cause damage to the kidneys, spleen and liver based on studies with laboratory animals. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

Section VI - Reactivity Data

Stability: Stable

incompatibility (materials to avoid): None reasonably

foreseeable.

Hazardous decomposition products: CO, CO₂, smoke, oxides of heavy metals in Section II.

Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor. Wear respirator, eye protection. gloves and protective clothing. Confine and remove with inert absorbent.

If the material contains, or is mixed with an isocyanate activator/ hardener: Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C). Pour liquid decontamination solution

over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are:

20% Surfactant (Tergitol TMN 10) and 80% Water OR

0-10% Ammonia, 2-5% Detergent and Water (balance)

Pressure can be generated. Do not seal container. After 48 hours, material may be sealed and disposed of properly.

If material does not contain or is not mixed with an isocyanate activator/hardener: Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C).

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. When these products are used with paints requiring isocyanate activators/ hardeners, wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C) while mixing activator/hardener with paint, during application and until all vapors and spray mist are exhausted. If product is used without isocyanate activators/ hardeners, a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH TC-23C) and particulate filter (NIOSH TC-84A) may be used. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area. Refer to the hardener/activator label instructions and MSDS for further information.

Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to this product if mixed with isocyanate activators/hardeners.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Desirable in all industrial situations. Include splash quards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Grouno containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation.

Section X - Other Information

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

PRODUCT CODE INGREDIENTS (See Section II)

EZ-3460S acrylic polymer-c, acrylic polymer-m, butyl acetate, ethylene glycol monobutyl ether acetate (3%*), methyl amyl ketone, mixed dibasic esters, oxo-octyl acetate, toluene (5%*), xylene (0-1%*), 2(2'-hydroxy-3,5'-diteramylphenyl)benzotriazole GAL WT: 8.14 WT PCT SOLIDS: 53.35 VOL PCT SOLIDS: 47.12 SOLVENT DENSITY: 7.18 VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB EZ-3461S aliphatic polyisocyanate polymer, butyl acetate, ethyl acetate, ethylene glycol monobutyl ether acetate (4%*) GAL WT: 8.70 WT PCT SOLIDS: 75.16 VOL PCT SOLIDS: 71.15 SOLVENT DENSITY: 7.49 VOC LE: 2.2 VOC AP: 2.2 H: 1 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-131S acrylic polymer-b, barium sulfate, butyl benzyl phthalate, carbon black, ethyl acetate, ethylbenzene (1-3%*), hydrous magnesium silicate, isopropyl alcohol, titanium dioxide, toluene (15%*), xylene (8-10%*), zinc phosphate-a (6%*) GAL WT: 11.11 WT PCT SOLIDS: 58.91 VOL PCT SOLIDS: 36.21 SOLVENT DENSITY: 7.16 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-161S acrylic polymer-b, barium sulfate, butyl benzyl phthalate,

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carbon black, ethyl acetate, ethylbenzene (1-3%*), hydrous magnesium silicate, iron oxide, isopropyl alcohol, toluene (15%*), Magnesium sincate, not oxide, isopropyr accinor, todere (15.6.7), xylene (8-10%*), zinc phosphate-a (6%*)
GAL WT: 11.14 WT PCT SOLIDS: 59.08 VOL PCT SOLIDS: 36.30
SOLVENT DENSITY: 7.16 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-192S aliphatic polyisocyanate resin, heptane, methyl amyl GAL WT: 7.67 WT PCT SOLIDS: 38.38 VOL PCT SOLIDS: 30.25 SOLVENT DENSITY: 6.78 VOC LE: 4.7 VOC AP: 4.7 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB aliphatic polymeric isocyanate, heptane, methyl amyl ketone, methyl athyl ketone (9%*), toluene (15%*), 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 8.36 WT PCT SOLIDS: 63.70 VOL PCT SOLIDS: 55.19 SOLVENT DENSITY: 6.77 VOC LE: 3.0 VOC AP: 3.0 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB acetic acid ester, ethylbenzene (2-6%*), hexyl acetate isomers, methyl amyl ketone, methyl isobutyl ketone (14%*), n-butyl alcohol (11%*), polyamide resin, xylene (23-27%*)
GAL WT: 7.08 WT PCT SOLIDS: 12.38 VOL PCT SOLIDS: 10.82
SOLVENT DENSITY: 6.96 VOC LE: 6.2 VOC AP: 6.2 H: 2 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB acetone, aromatic hydrocarbon-a, ethyl 3-ethoxy propionate, isopropyl alcohol, methyl alcohol (4%*), methyl isoamyl ketone, n-butyl alcohol (17%*), petroleum naphtha, toluene (6-8%*), vm&p naphtha, xylene (0-1%*), 1,2,4-trimethyl benzene (0-3%*) GAL WT: 6.60 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.60 VOC LE: 6.6 VOC AP: 5.4 H: 2 F: 3 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB V-3608S acetone, aromatic hydrocarbon-a, cyclohexane (0-1%*), ethyl 3-ethoxy propionate, isopropyl alcohol, methyl alcohol (4%*), petroleum naphtha, toluene (10-12%*), 1,2,4-trimethyl benzene (0-GAL'WT: 6.54 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.54 VOC LE: 6.5 VOC AP: 4.6 H: 2 F: 3 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB V-3613S acetone, isopropyl alcohol, methyl alcohol (4%*), petroleum naphtha, toluene (20-21%*), GAL WT: 6.57 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.57 VOC LE: 6.6 VOC AP: 3.2 H: 21 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB acetone, aromatic hydrocarbon-b, ethyl 3-ethoxy V-3651S acetone, aromatic hydrocarbon-b, ethyl 3-ethoxy propionate, isopropyl alcohol, methyl alcohol (4%*), n-butyl alcohol (6%*), naphthalene (0-1%*), petroleum naphtha, toluene (11-13%*), vm&p naphtha, xylene (0-1%*), 1,2,4-trimethyl benzene (0-1%*), GAL WT: 6.57 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.57 VOC LE: 6.6 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB V-3665S acetone, diisobutyl ketone, oxo-octyl acetate,
GAL WT: 6.57 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.57 VOC LE: 6.8 VOC AP: 0.7 H: 21
R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB H: 2 F: 3 V-3675S acetone, diisobutyl ketone, oxo-octyl acetate, GAL WT: 6.59 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.59 VOC LE: 6.8 VOC AP: 0.9 H: 21 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB H: 2 F: 3 acetone, aromatic hydrocarbon-a, cyclohexane (0-1%*), ethyl 3-ethoxy propionate, isopropyl alcohol, methyl alcohol (4%*), methyl isoamyl ketone, mixed dibasic esters, petroleum naphtha, GAL WT: 6.60 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.60 VOC LE: 6.6 VOC AP: 5.4 H: 2 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-65S aliphatic polymeric isocyanate, ethyl acetate,
GAL WT: 8.38 WT PCT SOLIDS: 47.97 VOL PCT SOLIDS: 41.65
SOLVENT DENSITY: 7.47 VOC LE: 4.4 VOC AP: 4.4 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-75S aliphatic polymeric isocyanate, butyl acetate, ethyl acetate, ethylbenzene (2-7%*), toluene (4%*), xylene (20-24%*) GAL WT: 8.26 WT PCT SOLIDS: 48.29 VOL PCT SOLIDS: 41.34 SOLVENT DENSITY: 7.28 VOC LE: 4.3 VOC AP: 4.3 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB V-7500S acetone, acrylic polymer-j, benzene,1-chloro-4 (trifluoromethyl), butyl acetate, ethylbenzene (3-8%*), methyl ethyl ketone (8%*), methyl isobutyl ketone (8%*), polyester resin-b, toluene (2%*), xylene (23-28%*)
GAL WT: 7.87 WT PCT SOLIDS: 40.09 VOL PCT SOLIDS: 34.30
SOLVENT DENSITY: 7.18 VOC LE: 4.5 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-7565S aliphatic polymeric isocyanate, ethyl acetate, methyl ethyl ketone (8%*), toluene (13%*), 1,6-hexamethylene diisocyanate GAL WT: 8.46 WT PCT SOLIDS: 58.18 VOL PCT SOLIDS: 51.04 SOLVENT DENSITY: 7.23 VOC LE: 3.5 VOC AP: 3.5 H: 3 F: 3

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R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-7575S aliphatic polymeric isocyanate, butyl acetate, ethylbenzene (1-3%*), propylene glycol monomethyl ether acetate, wylene (9-11%), 1,6-hexamethylene diisocyanate (<0.2%)
GAL WT: 8.57 WT PCT SOLIDS: 58.20 VOL PCT SOLIDS: 51.71
SOLVENT DENSITY: 7.42 VOC LE: 3.6 VOC AP: 3.6 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC V-7585S aliphatic polymeric isocyanate, ethyl 3-ethoxy propionate, ethylbenzene (0-2%*), hexyl acetate isomers, propylene glycol monomethyl ether acetate, xylene (6-8%*), 1,6-hexamethylene disocyanate (<0.2%*)
GAL WT: 8.67 WT PCT SOLIDS: 58.20 VOL PCT SOLIDS: 52.29
SOLVENT DENSITY: 7.60 VOC LE: 3.6 VOC AP: 3.6 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC V-7595S acetic acid ester of c9-11 oxo-alcohol, aliphatic polymeric isocyanate, aromatic hydrocarbon-a, cumene (0-1%*) ethylene glycol monobutyl ether acetate (13%*), hexyl acetate isomers, 1.2.4-trimethyl benzene (1-6%*), 1,6-hexamethylene GAL WT: 8.57 WT PCT SOLIDS: 58.20 VOL PCT SOLIDS: 51.66
SOLVENT DENSITY: 7.41 VOC LE: 3.6 VOC AP: 3.6 H: 3.F.
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II acetone, acrylic polymer, benzene, 1-chloro-4 (trifluoromethyl), butyl acetate, ethylbenzene (3-7%), methyl ethyl ketone (8%*), methyl isobutyl ketone (9%*), polyester resin, toluene (2%*), xylene (22-27%*)
GAL WT: 7.88 WT PCT SOLIDS: 41.99 VOL PCT SOLIDS: 36.04
SOLVENT DENSITY: 7.15 VOC LE: 4.3 VOC AP: 4.0 H: 2 F: 3 R:
0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB W-7644S acrylic polymer-g. ethyl acetate, ethylbenzene (2-77%*), methyl ethyl ketone (5%*), polyester resin-b, xylene (20-25%*) GAL WT: 8.34 WT PCT SOLIDS: 66.42 VOL PCT SOLIDS: 60.66 SOLVENT DENSITY: 7.12 VOC LE: 2.8 VOC AP: 2.8 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-7655S aliphatic polyisocyanate resin, ethyl acetate, GAL WT: 8.41 WT PCT SOLIDS: 48.00 VOL PCT SOLIDS: 41.48 SOLVENT DENSITY: 7.47 VOC LE: 4.4 VOC AP: 4.4 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB R:1FLASH P1: BE! WEEN 20 - 73 F (CC) OSHA STORAGE: IB V-7675S aliphatic polyisocyanate resin, butyl acetate, ethylbenzene (1-3%*), propylene glycol monomethyl ether acetate, toluene (15%*), xylene (9-12%*)
GAL WT: 8.33 WT PCT SOLIDS: 48.36 VOL PCT SOLIDS: 41.40 SOLVENT DENSITY: 7.34 VOC LE: 4.3 VOC AP: 4.3 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-793S aliphatic polyisocyanate resin, butyl acetate, ethylene glycol monobutyl ether acetate (4%*), 1.6-hexamethylene ethylene glycol monobutyl ether acetate (4%*), 1,6-hexamethylene disocyanate (<0.2%')
GAL WT: 9.05 WT PCT SOLIDS: 74.96 VOL PCT SOLIDS: 69.73
SOLVENT DENSITY: 7.49 VOC LE: 2.3 VOC AP: 2.3 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB acetone, aromatic hydrocarbon-b, butyl acetate, diisobutyl ketone, ethylbenzene (0-1%*), ethylene glycol monobutyl ether acetate (7%*), medium mineral spirits, mixed dibasic esters, naphthalene (0-1%*), toluene (4-7%*), vm&p naphtha, xylene (0-3%*), 1.2.4-trimethyl benzene (0-1%*) GALWT: 6.71 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.71 VOC LE: 6.7 VOC AP: 6.3 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC acetone, aromatic hydrocarbon-b, cyclohexane (0-1%*), ethyl acetate, ethylene glycol monobutyl ether acetate (5%* medium mineral spirits, mixed dibasic esters, naphthalene (0-1%*), petroleum naphtha. propylene glycol monomethyl ether acetate, toluene (8-10%*), 1,2,4-trimethyl benzene (0-1%*)
GAL WT: 6.67 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.67 VOC LE: 6.7 VOC AP: 5.8 H: 2 F: 3
R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB
V-8093S acetone, ethylbenzene (0-1%*), ethylene glycol monobutyl ether acetate (12%*), medium mineral spirits, mixed dibasic esters, propylene glycol monomethyl ether acetate, toluene (8-10%*), vm&p naphtha, xylene (0-3%*), 1,2,4-trimethyl benzene (0-1%*)
GAL WT: 6.89 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.89 VOC LE: 6.9 VOC AP: 6.4 H: 2 F: 3
R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB V-8096S acetone, aromatic hydrocarbon-b, diethylene glycol monobutyl ether-b (2%*), ethylbenzene (0-1%*), ethylene glycol monobutyl ether acetate (8%*), medium mineral spirits, mixed dibasic esters, propylene glycol monomethyl ether acetale, toluene (8-10%*), vm&p naphtha, xylene (0-2%*), 1,2,4-trimethyl benzene (0-1%*), 2,2,4-trimethyl-1,3-pentanediolmonoisobutyrate GAL WT: 6.93 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.93 VOC LE: 7.0 VOC AP: 6.5 H: 2 F:: R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB V-8275S acetone, acrylic polymer-d, butyl acetate, ethylbenzene (0-2%*), ethylene glycol monobutyl ether acetate (4%*), hexyl acetate isomers, methyl ethyl ketone (20%*), polyethylene/vinyl

acetate, propylene glycol monomethyl ether acetate, xylene (6-8%*) GAL WT: 7.15 WT PCT SOLIDS: 3.12 VOL PCT SOLIDS: 2.55 SOLVENT DENSITY: 7.11 VOC LE: 7.0 VOC AP: 5.9 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-8365S acetone, aromatic hydrocarbon-b, ethyl 3-ethoxy propionate, heptane, isopropyl alcohol, n-butyl alcohol (3%*), naphthalene (0-1%*), propionic acid, n-butyl ester, toluene (12-13%*), vm&p naphtha, xylene (0-1%*), 1.2.4-trimethyl benzene (0-1%*)
GAL WT: 6.60 WT PCT SOLIDS: 1.05 VOL PCT SOLIDS: 0.70 SOLVENT DENSITY: 6.58 VOC LE: 6.5 VOC AP: 4.9 H: 2 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB H: 2 F: 3 acetone, butyl acetate, ethylbenzene (0-1%*), heptane, isopropyl alcohol, medium mineral spirits, n-butyl alcohol (6%*), propionic acid, n-butyl ester, toluene (8%*), vm&p naphtha, xylene GAL WT: 6.60 WT PCT SOLIDS: 1.07 VOL PCT SOLIDS: 0.70 SOLVENT DENSITY: 6.58 VOC LE: 6.5 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB aliphatic polymeric isocyanate, ethylbenzene (2-6%*), hexyl acetate isomers, propylene glycol monomethyl ether acetate, xylene (17-20%*)
GAL WT: 8.37 WT PCT SOLIDS: 47.72 VOL PCT SOLIDS: 41.38
SOLVENT DENSITY: 7.46 VOC LE: 4.4 VOC AP: 4.4 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC V-85755 heptane, hexyl acetate isomers, isopropyl alcohol, methyl ethyl ketone (50%*) GAL WT 6.27 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.27 VOC LE: 6.3 VOC AP: 6.3 H: 21 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB V-8585S ethyl 3-ethoxy propionate, heptane, hexyl acetate GAL WT: 6.39 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.39 VOC LE: 6.4 VOC AP: 6.4 H: 21 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB V-8595S acetic acid ester, heptane, hexyl acetate isomers, methyl GAL WT: 6.43 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.43 VOC LE: 6.4 VOC AP: 6.4 H: 21 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB V-9465S aromatic hydrocarbon-a, aromatic hydrocarbon-b, butyl acetate, cyclohexane (0-1%*), ethyl 3-ethoxy propionate, isopropyl alcohol, methyl ethyl ketone (13%*), petroleum naphtha, toluene (14-17%*), 1,2,4-trimethyl benzene (0-1%*)
GAL WT: 6.64 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.64 VOC LE: 6.6 VOC AP: 6.6 H: 2 F: 3 R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB
V-9475S aromatic hydrocarbon-a diisobutyl ketone, einylene V-9475S aromatic hydrocarbon-a, diisobutyl ketone, einylene glycol monobutyl ether acetate (11%*), isopropyl alcohol, methyl glycol monobityl etner acetate (11%), isopropyl alcohol, methyl etnole (15%*), methyl isoamyl ketone, petroleum naphtha, toluene (12-14%*), 1,2,4-trimethyl benzene (0-3%*)
GAL WT: 6.70 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.70 VOC LE: 6.7 VOC AP: 6.7 H: 2 F: 3
R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB
V-9485S aromatic hydrocarbon-b, diisobutyl ketone, ethylene glycol V-9485S aromatic hydrocarbon-b, diisobutyl ketone, einylene giycol monobutyl ether acetate (5%*), isopropyl alcohol, medium mineral spirits, methyl ethyl ketone (11%*), methyl isoamyl ketone, naphtha-lene (0-1%*), toluene (8%*), 1.2.4-trimethyl benzene (0-2%*) GAL WT: 6.72 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.72 VOC LE: 6.7 VOC AP: 6.7 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-9495S aromatic hydrocarbon-b, diisobutyl ketone, medium mineral spirits, methyl ethyl ketone (9%*), methyl isobutyl carbinol, mixed dibasic esters, naphthalene (0-2%*), toluene (0-1%*), vm&p naphtha, xylene (0-1%*), 1,2,4-trimethyl benzene (0-2%*) GAL WT: 6,74 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6,74 VOC LE: 6,7 VOC AP: 6,7 H: 2F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB aliphatic polymeric isocyanate, aromatic hydrocarbon-a, cumene (0-2%*), ethyl 3-ethoxy propionate, ethylene glycol monobutyl ether acetate (5%*), xylene (0-1%*), 1.2.4-trimethyl benzene (3-14%*)
GAL WT: 8.37 WT PCT SOLIDS: 47.98 VOL PCT SOLIDS: 41.63
SOLVENT DENSITY: 7.46 VOC LE: 4.4 VOC AP: 4.4 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II
210S acrylic polymer-q, carbon black, ethylene glycol
monobutylether (1%*), hydrous magnesium silicate, methyl alcohol
(29/*), itterium diacide, wytor (2%*), litanium dioxide, water
GAL WT: 10.80 WT PCT SOLIDS: 45.91 VOL PCT SOLIDS: 28.46
SOLVENT DENSITY: 8.17 VOC LE: 1.6 VOC AP: 0.6 H: 1 F: 2
R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II 2100S acetone, acrylic polymer-n, benzene, 1-chloro-4 (trifluoromethyl), bis(1.2.2.6,6-pentamethyl-4-piperdinyl) sebacate. butyl acetate, methyl amyl ketone, polyester resin-b, polyester resinf, substituted benzotriazole GAL WT: 9.22 WT PCT SOLIDS: 50.13 VOL PCT SOLIDS: 49.45

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SOLVENT DENSITY: 9.10 VOC LE: 2.2 VOC AP: 1.6 H: 2 F: 3 R: 1 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB benzene,1-chloro-4 (trifluoromethyl), ethylbenzene (1-3%"), methyl amyl ketone, trimer of hexamethylene diisocyanate, SAB J. Hierory and the content of th 2165S acetone, benzene,1-chloro-4 (trifluoromethyl),
GAL WT: 7.24 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.24 VOC LE: 0.0 VOC AP: 0.0 H: 2 F: 3 SOLVENT DENSITY: 7.24 VOC LE: 0.0 VOC AP: 0.0 H: 2F: 3
R: 1 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB
2175S aceione, benzene.1-chloro-4 (trifluoromethyl),
GAL WT: 8.71 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 8.71 VOC LE: 0.0 VOC AP: 0.0 H: 2 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
2185S benzen 1 chloro 4 (trifluoromethyl) 21855 benzene 1-chloro-4 (trifluoromethyl),
GAL WT: 11.15 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 11.15 VOC LE: 0.0 VOC AP: 0.0 H: 1 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II 2705S hexyl acetate isomers, isopropyl alcohol, methyl amyl ketone. methyl ethyl ketone (27%*), methyl isobutyl ketone (12%*), polyamide resin, propylene glycol monomethyl ether acetate, toluene (20%*)
GAL WT: 7.11 WT PCT SOLIDS: 20.66 VOL PCT SOLIDS: 18.08
SOLVENT DENSITY: 6.89 VOC LE: 5.6 VOC AP: 5.6 H: 2 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 2710S bisphenol a/epichlorohydrin polymer, butyl acetate, calcium strontium zinc phosphosilicate (4%*), ethylbenzene (1-4%*), methyl amyl ketone, methyl isobutyl ketone (5%*), n-butyl alcohol (3%*), titanium dioxide, toluene (3%*), wollastonite, xylene (10-13%*), zinc phosphate-b (6%*) GAL WT: 12.67 WT PCT SOLIDS: 68.08 VOL PCT SOLIDS: 42.80 SOLVENT DENSITY: 7.07 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB 2740S bisphenol a/epichlorohydrin polymer, butyl acetate, calcium carbonate, calcium strontium zinc phosphosilicate (6%*), carbon black, ethylbenzene (1-4%*), hydrous magnesium silicate, methyl amyl ketone, methyl isobutyl ketone (4%*), n-butyl alcohol (3%*), titanium dioxide, toluene (3%*), wollastonite, xylene (12-14%*), zinc phosphale-b (8%*)
GAL WT: 11.81 WT PCT SOLIDS: 65.72 VOL PCT SOLIDS: 42.90
SOLVENT DENSITY: 7.09 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB bisphenol a/epoxy, phenolic resin, bisphenol-epichlorohydrin type polymer, carbon black, ethylene glycol monobutylether (1%*), hydrous magnesium silicate, silica alumina ceramic, titanium dioxide. water, wollastonite, zinc phosphate-b (9%*), 2-propoxyethanol-a (2%*), 2-propoxyethanol-b (2%*) GAL WT: 10.93 WT PCT SOLIDS: 54.50 VOL PCT SOLIDS: 39.41 SOLVENT DENSITY: 8.21 VOC LE: 1.4 VOC AP: 0.7 H: 2 F: 1
R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIB
2770S barium sulfate, bisphenol a/epichlorohydrin polymer, butyl acetate, calcium strontium zinc phosphosilicate (6%*), carbon black, ethylbenzene (1-4%*), hydrous magnesium silicate, methyl amyl ketone, methyl isobutyl ketone (5%*), n-butyl alcohol (3%*), titanium dioxide, toluene (3%*), wollastonite, xylene (11-14%*), zinc phosphate-b (8%*)
GAL WT: 11.87 WT PCT SOLIDS: 65.93 VOL PCT SOLIDS: 42.85
SOLVENT DENSITY: 7.08 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
285S ethylene glycol monobutylether (2%*), hydrous magnesium silicate, polyethylene amine mixture, propylene glycol methyl ether, titanium dioxide, water, wollastonite, 2-propoxyethanol-a (6%*)
GAL WT: 10.77 WT PCT SOLIDS: 42.25 VOL PCT SOLIDS: 23.64
SOLVENT DENSITY: 8.15 VOC LE: 3.3 VOC AP: 1.4 H: 3 F: 2
R: 1FLASH PT: BETWEEN 140 - 200 F (CC) OSHA STORAGE: IIIA acrylic polymer-g, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, diethylene glycol monobutyl ether-a (4%*), ethyl acetate, ethylbenzene (1-4%*), hexyl acetate isomers, methyl ethyl ketone (7%*), methyl isobutyl ketone (5%*), polyester resin-b, propionic acid, n-butyl ester, propylene glycol methyl ether, propylene glycol monomethyl ether acetate, substituted benzotriazole, xylene (12-15%*) GAL WT: 7.96 WT PCT SOLIDS: 49.14 VOL PCT SOLIDS: 43.76 SOLVENT DENSITY: 7.20 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB ethyl acetate, polyisocyanate resin, 1,6-hexamethylene disocyanate (<0.5%*),
GAL WT: 9.41 WT PCT SOLIDS: 96.24 VOL PCT SOLIDS: 95.28
SOLVENT DENSITY: 7.50 VOC LE: 0.4 VOC AP: 0.4 H: 2 F: 3
R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 3110S blocked diamine(93%*),ethylbenzene(0-2%*), xylene(5-7%*), GAL WT: 7,16 WT PCT SOLIDS: 92,70 VOL PCT SOLIDS: 92,73 SOLVENT DENSITY: 7.19 VOC LE: 0.5 VOC AP: 0.5 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

3189S isopropyl alcohol GAL WT: 6.55 WT PCT SOLIDS: 0.92 VOL PCT SOLIDS: 0.58 SOLVENT DENSITY: 6.53 VOC LE: 6.5 VOC AP: 6.5 H: 1 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 32030S acetone,
GAL WT: 6.55 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.55 VOC LE: 0.0 VOC AP: 0.0 H: 2 F
R: 0 FLASH PT: BELOW 20 F (CC) OSHA STORAGE: IB H: 2 F: 3 3205S butyl acetate, hexyl acetate isomers, methyl isoamyl ketone, polyisocyanate resin, GAL WT: 8.54 WT PCT SOLIDS: 67.16 VOL PCT SOLIDS: 60.38 SOLVENT DENSITY: 7.08 VOC LE: 2.8 VOC AP: 2.8 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 3240S acrylic polymer-I, butyl acetate, calcium strontium zinc phosphosilicate (10%*), carbon black, ethylbenzene (0-1%*), hydrous magnesium silicate, ketimine, methyl isobutyl ketone (4%*), potassium sodium silicoaluminate (2%*), propylene glycol monomethyl ether acetate, silica-alumina ceramic (17%*), titanium monometry; etner acetate, silica-aiumina ceramic (17%-), titanium dioxide, wollastonite, xylene (3-4%*)
GAL WT: 13.31 WT PCT SOLIDS: 86.91 VOL PCT SOLIDS: 75.79
SOLVENT DENSITY: 7.20 VOC LE: 1.7 VOC AP: 1.7 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC
3500S acrylic polymer-i, bis(1,2,2,6,6-pentamethyl-4-piperdinyl)
sebacate, ethylbenzene (0-1%*), hexyl acetate isoners, methyl amyl ketone, methyl ethyl ketone (5%"), polyester resin-a, substituted benzotriazole, xylene (2-3%*)
GAL WT: 8.12 WT PCT SOLIDS: 57.81 VOL PCT SOLIDS: 50.24
SOLVENT DENSITY: 6.88 VOC LE: 3.4 VOC AP: 3.4 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB 3575S aliphatic polymeric isocyanate, aromatic hydrocarbon-a, cumene (0-1%*), primary amyl acetate, 1,2,4-trimethyl benzene (1-5%*), 1,6-hexamethylene diisocyanate (<0.2%*) GAL WT: 8.97 WT PCT SOLIDS: 76.76 VOL PCT SOLIDS: 71.33 SOLVENT DENSITY: 7.27 VOC LE: 2.1 VOC AP: 2.1 H:3 F:3 R: 1 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC 3600S acetone, acrylic polymer-g, benzene,1-chloro-4 3600S acetone, acrylic polymer-g, benzene,1-chloro-4 (trifluoromethyl), butyl acetate, ethylbenzene (2-5%*), isopropyl alcohol, methyl ethyl ketone (4%*), methyl isoamyl ketone, methyl isobutyl ketone (2%*), polyester resin-d, polyester resin-e, substituted benzotriazole, xylene (15-19%*)
GAL WT: 8.24 WT PCT SOLIDS: 47.95 VOL PCT SOLIDS: 42.92
SOLVENT DENSITY: 7.51 VOC LE: 3.4 VOC AP: 2.9 H: 2.F: 3
R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC
3605S benzene,1-chloro-4 (trifluoromethyl), butyl acetate, methyl isoamyl ketone trimer of beyamethylene diisocyanate 1.6+ isoamyl ketone, trimer of hexamethylene diisocyanate, 1,6hexamethylene diisocyanate (<0.2%*)
GAL WT: 9.47 WT PCT SOLIDS: 58.71 VOL PCT SOLIDS: 58.12
SOLVENT DENSITY: 9.34 VOC LE: 1.7 VOC AP: 1.3 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC 3700S acrylic polymer-k, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, diethylene glycol monobutyl ether-a (5%*), ethyl acetate, ethylbenzene (1-2%*), hexyl acetate isomers, methyl ethyl ketone (7%*), methyl isobutyl ketone (7%*), oxo-octyl acetate, propionic acid, n-butyl ester, propylene glycol methyl ether, propylene glycol monomethyl ether acetate, substituted benzotriazole, xylene (7-9%*)
GAL WT: 7.75 WT PCT SOLIDS: 34.40 VOL PCT SOLIDS: 30.04
SOLVENT DENSITY: 7.27 VOC LE: 5.1 VOC AP: 5.1 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB butyl acetate, trimer of hexamethylene diisocyanate, 1,6hexamethylene diisocyanate (*0.2%*), GAL WT: 9.43 WT PCT SOLIDS: 95.01 VOL PCT SOLIDS: 93.59 SOLVENT DENSITY: 7.34 VOC LE: 0.5 VOC AP: 0.5 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 3710S aliphatic polyamine (36%*), blocked diamine (55%*), ethylbenzene (0-2%*), xylene (6-8%*), ethylbenzene (0-2%*), xylene (6-8%*), GAL WT: 7.10 WT PCT SOLIDS: 91.32 VOL PCT SOLIDS: 91.44 SOLVENT DENSITY: 7.20 VOC LE: 0.6 VOC AP: 0.6 H: 3 F: 3 R: 1 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB 3789S acetone, isopropyl alcohol, water, GAL WT: 6.70 WT PCT SOLIDS: 0.80 VOL PCT SOLIDS: 0.51 SOLVENT DENSITY: 6.68 VOC LE: 6.5 VOC AP: 5.3 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB 3909S aliphatic solvent mixture, water,
GAL WT: 8.30 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 8.30 VOC LE: 8.1 VOC AP: 0.5 H: 2 F: 1
R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 3949S aliphatic hydrocarbon/aliphatic ester/surfactant, water, GAL WT: 8.25 WT PCT SOLIDS: 0.14 VOL PCT SOLIDS: 0.15 SOLVENT DENSITY: 8.25 VOC LE: 6.9 VOC AP: 0.4 H: 0 F: 1 R: 0 FLASH PT: ABOVE 200 F (CC) OSHA STORAGE: IIIB 4310S bisphenol a/epichlorohydrin polymer, butyl acetate, ethylbenzene (0-1%*), hydrous magnesium silicate, isobutyl acetate, isopropyl alcohol, methyl ethyl ketone (8%*), titanium dioxide, toluene (8%*), xylene (4-5%*), zinc phosphate-a (4%*)

GAL WT: 11.81 WT PCT SOLIDS: 64.76 VOL PCT SOLIDS: 41.08 SOLVENT DENSITY: 7.06 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 4350S barium sulfate, bisphenol a/epichlorohydrin polymer, butyl acetate, ethylbenzene (0-1%*), hydrous magnesium silicate, iron oxide, isobutyl acetate, isopropyl alcohol, methyl ethyl ketone (8%*), toluene (10%*), xylene (4-5%*), zinc phosphate-a (5%*)
GAL WT: 10.86 WT PCT SOLIDS: 58.87 VOL PCT SOLIDS: 36.66
SOLVENT DENSITY: 7.05 VOC LE: 4.5 VOC AP: 4.5 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB barium sulfate, bisphenol a/epichlorohydrin polymer, butyl acetate, carbon black, ethylbenzene (0-1%*), hydrous magnesium silicate, isobutyl acetate, isopropyl alcohol, methyl ethyl ketone (9%*), toluene (10%*), xylene (4-5%*), zinc phosphate-a (5%*) GAL WT: 10.58 WT PCT SOLIDS: 36.68 SOLVENT DENSITY: 7.05 VOC LE: 4.5 VOC AP: 4.5 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 480S acetone, acrylic polymer-a, acrylic polymer-o, butyl benzyl phthalate, cellulose acetate butyrate, heptane, isopropyl alcohol, methyl ethyl ketone (3%*), methyl isoamyl ketone, n-butyl alcohol (4%*), propylene glycol monomethyl ether acetate, toluene (8%*), xylene (0-1%*) acetate, carbon black, ethylbenzene (0-1%*), hydrous magnesium (A78), DIOPERE (N. 180), SALES (A. 180), SALES 680S acrylic polymer-p, ethyl acetate, methyl ethyl ketone (1%*), propylene glycol monomethyl ether acetate, toluene (8%*), xylene GAL WT: 8.27 WT PCT SOLIDS: 31.62 VOL PCT SOLIDS: 27.34 SOLVENT DENSITY: 7.78 VOC LE: 5.7 VOC AP: 5.7 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 6800S acrylic polymer-f, beta-(3-(2h-benzotriazol-2-yl)-4-hydroxy-5-tert, ethylbenzene (1-3%*), hindered amine, methyl amyl ketone, methyl ethyl ketone (5%*), propylene glycol monomethyl ethyl apolytic polymer (8 400**) ether acetate. xylene (8-10%*), propylene grycol monometryl ether acetate. xylene (8-10%*)
GAL WT: 7.89 WT PCT SOLIDS: 53.08 VOL PCT SOLIDS: 47.49
SOLVENT DENSITY: 7.05 VOC LE: 3.7 VOC AP: 3.7 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
6825 aliphatic polymeric isocyanate, butyl acetate, ethyl acetate, ethylene glycol monobutyl ether acetate (4%*), 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 9.00 WT PCT SCLIDS: 75.03 VOL PCT SOLIDS: 69.97
SOLVENT DENSITY: 7.48 VOC LE: 2.2 VOC AP: 2.2 H: 3 F
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
6875S aliphatic polymeric isocyanate, hexyl acetate isomers, propylene glycol monomethyl ether acetate, 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 8.95 WT PCT SOLIDS: 70.17 VOL PCT SOLIDS: 65.08
SOLVENT DENSITY: 7.65 VOC LE: 2.7 VOC AP: 2.7 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II 6885S aliphatic polymeric isocyanate, ethylene glycol monobutyl ether acetate (9%*), hexyl acetate isomers, propylene glycol monomethyl ether acetate, 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 8.94 WT PCT SOLIDS: 70.63 VOL PCT SOLIDS: 65.42
SOLVENT DENSITY: 7.59 VOC LE: 2.6 VOC AP: 2.6 H: 3 F: 2
R: 1 FLASH PT: BETWEEN 140 - 200 F (CC) OSHA STORAGE: IIIA 7021N acrylic polymer-h, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, diethylene glycol monobutyl ether-a (3%*), ethyl acetate, methyl amyl ketone, methyl ethyl ketone (9%*), propylene glycol monomethyl ether acetate, xylene (0-1%*), 2(2'-hydroxy-3,5'diteramylphenyl)benzotriazolé GAL WT: 7.97 WT PCT SOLIDS: 52.22 VOL PCT SOLIDS: 45.08 SOLVENT DENSITY: 6.93 VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

7031N acrylic polymer-h, butyl acetate, methyl amyl ketone, methyl ethyl ketone (9%*), propylene glycol monomethyl ether acetate. entity kelone (9%), propylene gryco monomenty enter accide.

xylene (0-1%*)
GAL WT: 7.91 WT PCT SOLIDS: 46.02 VOL PCT SOLIDS: 38.76
SOLVENT DENSITY: 6.97 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB K: UFLASH P1: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB **7544S** acrylic polymer-q, ethylbenzene (10-11%*), methyl ethyl ketone (3%*). polyester, xylene (31-32%*), GAL WT: 8.16 WT PCT SOLIDS: 53.93 VOL PCT SOLIDS: 47.58 SOLVENT DENSITY: 7.17 VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB **7644S** acrylic polymer-e, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, ethylbenzene (3-7%*), methyl ethyl ketone (7%*), polyester resin-b, xylene (22-27%*), 2(2'-hydroxy-3,5'-diteramylphenyl)benzotriazole diteramylphenyl)benzotriazole GAL WT: 8.30 WT PCT SOLIDS: 61.38 VOL PCT SOLIDS: 54.75 SOLVENT DENSITY: 7.08 VOC LE: 3.2 VOC AP: 3.2 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 8165S bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, ethyl acetate, ethyl 3-ethoxy propionate, ethylbenzene (0-2%*), polyester resin-c, toluene (16-17%*), vm&p naphtha, xylene (4-6%*), 2(2'-hydroxy-3,5'-diteramylphenyl)benzotriazole GAL WT: 7.74 WT PCT SOLIDS: 35.50 VOL PCT SOLIDS: 30.34 SOLVENT DENSITY: 7.17 VOC LE: 5.0 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB 8170S acetone, alkyd resin, butyl acetate, dehydrated castor oil, diethylene glycol monobutyl ether-b (6%*), ethyl 3-ethoxy propionate, ethylbenzene (0-2%*), methyl amyl ketone, methyl n-propyl ketone, toluene (0-1%*), vm&p naphtha, xylene (4-6%*) GAL WT: 7.41 WT PCT SOLIDS: 28.74 VOL PCT SOLIDS: 24.74 SOLVENT DENSITY: 7.02 VOC LE: 5.2 VOC AP: 5.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB 8175S bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, diethylene glycol monobutyl ether-b (7%*), ethyl 3-ethoxy propionate, ethylbenzene (0-2%*), polyester resin-c, toluene (0-1%*), vm&p naphtha, xylene (4-7%*), 2(2'-hydroxy-3,5'-1%*), vm&p naphtha, xylene (4-7%*), 2(2'-hydroxy-3,5'-diteramylphenyl)benzotriazole
GAL WT: 7.65 WT PCT SOLIDS: 35.48 VOL PCT SOLIDS: 29.97
SOLVENT DENSITY: 7.05 VOC LE: 4.9 VOC AP: 4.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
8180S alkyd resin, butyl acetate, dehydrated castor oil, diethylene glycol monobutyl ether-b (6%*), ethyl 3-ethoxy propionate, ethylbenzene (0-2%*), methyl amyl ketone, methyl n-propyl ketone, toluene (0-1%*), vm&p naphtha. xylene (4-6%*)
GAL WT: 7.42 WT PCT SOLIDS: 28.75 VOL PCT SOLIDS: 24.78
SOLVENT DENSITY: 7.03 VOC LE: 5.3 VOC AP: 5.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
8185S bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, diethylene glycol monobutyl ether-b (7%*), ethyl 3-ethoxy propionate, ethylbenzene (0-2%*), ethylene glycol monobutyl ether acetate (11%*), polyester resin-c, vm&p naphtha, xylene (4-6%*), 2(2'-hydroxy-3,5'-dileramylphenyl)benzotriazole
GAL WT: 7.86 WT PCT SOLIDS: 35.47 VOL PCT SOLIDS: 30.78
SOLVENT DENSITY: 7.33 VOC LE: 5.1 VOC AP: 5.1 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales

Prepared by D. G. Detweiler

MATERIAL SAFETY DATA SHEET



IMRON® 6000 POLYURETHANE ENAMEL

	T Sa		•			
	Section I - Manufacti	urer				15 mg/m³-O 5 mg/m³ -O Resp
	Manufacturer:			Anthraquinone pigment Not Available	None	10 mg/m³-A
. 4	DuPont Co. Automotive			·	Horie	None-O
	Wilmington, Delaware 1	9898			0.0 @ 25°C	None-A ₁ O
خ. د	Product information (80 Medical emergency (80	0)441-7:	515 1637	Aromatic hydrocarbon B 64742-94-5	10.0	None-A,O
.,,,	Transportation emergen	icv (800)	424-9300 (CHEMTREC)	Barium Sulfate 7727-43-7	None	10 mg/m³-A Total Dust
	Product: Imron 6000 Baseco OSHA Hazard Class: Flamma	ble liquid	j	7121 40	140110	15 mg/m³-O Total Dust
	DOT Shipping Name: See DC Hazardous Materials Inform	oT adder	ndum. See Section X			5 mg/m³-O Dust,8 hr Resp 10 mg/m³-D 8 hr TWA
	;			Beta-(3-(2H-benzotriazol- propionate	2-YL)-4-hydr	oxy-5-tertbutylphenyl)
	Section II - Hazardou	s Ingr	edients	104810-47-1	Unknown	None-A,O
	(See Section X)			Butyl acetate		
1.		Vapor		123-86-4	8.0	150 ppm-A,O 200 ppm-A 15 min(STEL)
	Pro IngredientsCAS No. (20°C. m	essure	Exposure	C.I. Pigment Red 179		200 ppm-A 13 mai(31EL)
ල් දී දි		nn ng,	Limits	5521-31-3 Carbon black	None	None-A,O
 	Acelone 67-64-1	184.0	500 ppm-A 8 hr TWA	1333-86-4	None	3.5 mg/m³-A,O
	V1-04-1	104.0	1000 ppm-Q 8 hr TWA	Cellulose acetate butyrate		0.5 mg/m³-D
	i.		750 ppm-A 15 min (STEL) 500 ppm-D 8&12 hr	9004-36-8	None	None-A,O
	Acrylic polymer A 42767-92-0	Mono		Dibutyl tin dilaurate	0.0000	04 134511 5
3	Acrylic polymer B	None	None-A,O		0.2 @ 60°C	0.1 mg/m³-A Skin as Sn 0.1 mg/m³-O as Sn
7	Not Available Acrylic polymer C	None	None-A,O	Diketopyrrolopyrrol red pig Not Available	ment None	None-A _i O
	77358-01-1	None	None-A,O	Dioxazine carbozole pigme	ent	·
	Acrylic polymer D 70942-12-0	None	None-A,O	4378-61-4	None	10 mg/m³-A 15 mg/m³-O
	Acrylic polymer E 96591-17-2	None	None-A,O	Ethyl acetate		5 mg/m³-Ö Resp
	Acrylic polymer F 69215-54-9	None	· .	141-78-6	76.0	400 ppm-A,O
	Acrylic polymer G		None-A,O	Ethyl 3-ethoxy propionate		
	Not Available Acrylic polymer H	None	None-A,O	763-69-9 Ethylbenzene	Unknown	None-A,O
: ::	104032-39-5 Actylic polymer I	None	None-A,O	100-41-4	7.0	100 ppm-A.O
	104032-39-5	None	None-A,O	- · ·		125 ppm-A15 min(STEL) 25 ppm-D 8&12 hr
:- 	Acrylic polymer J 25067-83-8	None	None-A.O	Ethylene glycol monobutyl 112-07-2	ether acetate 0.3	20 ppm -D Skin
	Acrylic polymer K 26061-99-4	None	None-A.O			None-A,O
**	Acrylic polymer L		-	Ferric hexacyanoferrate pi 14038-43-8	None None	10 mg/m³-A
- ` . >	80010-53-3 Acrylic polymer M	None	None-A,O			15 mg/m³-O 5 mg/m³-O Resp
	Not Available Acrylic polymer N	None	None-A,O	Heptane 142-82-5	40.0	400 ppm-A
	148969-95-3	None	None-A,O	142 02-0	40.0	500 ppm-O
	Acrylic polymer O Not Available	None	None-A,O	Hexyl acetate isomers		500 ppm -A 15 min(STEL)
	Alphatic polyisocyanate polym	er	•	88230-35-7	0.7	50 ppm-A Hexyl Acet None-O
	Not Available	None	None-A,O	Iron oxide 1309-37-1	None	5 mg/m³-A
	Aliphatic polyisocyanate resin 28182-81-2	None	1.0 mg/m ³ -S 15 min (STEL)	Isoindolinone pigment		10 mg/m³-O
			0.5 mg/m³-Ś None-A,O	36888-99-0	None	10 mg/m³-A
8 1	Aliphatic polymeric isocyanate	Mas -		Assessment at the American		15 mg/m³-O 5 mg/m³-O Resp
	3779-63-3	None	0.5 mg/m³-S 8 hr TWA 1.0 mg/m³-S 15 min (STEL)	Isopropyl alcohol 67-63-0	33.0	400 ppm-A,O
•	Muminum 7429-90-5	None	None - A,Ó 10 mg/m³-A		,	500 ppm-A 15 min(STEL)
9	· · · · · · · · · · · · · · · · · · ·	1 10116	15 mg/m³-O	Lead chromate	<i>_</i>	400 ppm-D 8&12 hr
	Amorphous silica		5 mg/m³-O Resp	18454-12-1	None	50 μg/m³-A,O Pb 12 μg/m³-A Cr
	92797-60-9	None	0.2 mg/m³-A Resp 1 mg/m³ -A 15 min (STEL)			1 mg/m³-Ó Cr Ceiling
			- · · · · · · · · · · · · · · · · · · ·			

Lead chromate molybdate 12656-85-8	None	50 μg/m³-A,O Pb 12 μg/m³-A Cr 1 mg/m³-O Cr Ceiling
Medium mineral spirits	Nana	_
64742-88-7	None	100 ppm-D None-A,O
Methyl amyl ketone 110-43-0	2.2	50 ppm-A 100 ppm-O
Methyl ethyl ketone 78-93-3	71.0	200 ppm A,O
Math. disab. Add at	20	0 ppm -A 15 min(STEL) 00 ppm-D 8&12 hr TWA 300 ppm-D 15 min TWA
Methyl isobutyl ketone 108-10-1	15.0	50 ppm-A
	7	100 ppm-O 75 ppm-A 15 min(STEL)
Mixed dibasic esters Not Available	0.2	10 mg/m³-D
Monoazo red pigment		None-A,O
12236-62-3	None	10 mg/m³-A None-O
n-Butyl Alcohol 71-36-3	5.5	50 ppm - A Ceiling Skin 100 ppm -O
NO. C. A.		25 ppm-D 50 ppm-D 15 min TWA
Nickel azo complex Not Available	None	50 μg/m³-A Ni 1 mg/m³-O Ni
Nickel oxide < 1313-99-1	None	1 mg/m³-A,O Ni
Nickel, Antimony. Titanium Yellov 8007-18-9	w Pigment None	0.5 mg/m³-A,O Sb 1 mg/m³-A,O Ni
Organoclay 68911-87-5	None	None-A,O
Oxo-octyl acetate 108419-32-5	1.0 @ 25°	
Phthalocyanine blue pigment	@ 20	None-A,O
147-14-8 Phthalocyanine green pigment	None	1 mg/m ³ -A,O CU, 8 hr
1328-53-6	None	10 mg/m³-A
Polyostor tonin A		15 mg/m³-O 5 mg/m³-O Resp
Polyester resin A 71010-58-7	None	None-A,O
Polyester resin B 65086-73-9	None	None-A,O
Polyisocynate Not Avaliable	None	None-A,O
Polyot 68551-65-5	Unknowr	
Primary amyl acetate 628-63-7	4.0	100 ppm-A,O
Propylene glycol monomethyl eth 108-65-6	her acetate 3.7	None-A,O
Quinacridone pigment	5.7	10 ppm-D
1047-16-1	None	10 mg/m³-A 15 mg/m³-O 5 mg/m³-O Resp
Quinophthalone yellow pigment 30125-47-4	None	10 mg/m³-A
Silicone resin		None -O
9016-00-6 Stoddard solvent	None	None-A,O
8052-41-3 Titanium dioxide	None	100 ppm-A,O
13463-67-7	None	10 mg/m³-A,Q 5 mg/m³-O Resp 10 mg/m³-D
Toluene 108-88-3	36.7	50 ppm-A Skin
	Ę	200 ppm-O 300 ppm-O Ceiling 500 ppm-O 10 min MAX 50 ppm-D 8&12 hr TWA
VM&P Naphtha 64742-89-8	15.0 @ 37.8	
•	400	ppm-O 15 min(STEL)

Xylene			100 ppm-D
Aylene	1330-20-7	100	100 ppm-A.O A 15 min(STEL) ppm-D 8&12 hr
		150 ppm	-D 15 min TWA
	nethyl benzene 95-63-6 methylene diisoo	7.0 @ 44.4 C	25 ppm-A.O
	822-06-0	Unknown	5.0 ppb -A None-O
2(2-hydro	oxy-3,5-diteramy	lphenyl) benzotriazole	110172
2,4 Penta	25973-55-1	Unknown	None-A,O
Z,4 Feme	123-54-6	7.0	10 ppm-D None-A O

A = ACGIH TLV; O= OSHA; D = DuPont internal limit; S = Supplier Furnished limit; STEL = Short Term Exposure Limit; C= Ceiling.

Section III - Physical Data

Evaporation rate: Less than ether Vapor Density: Heavier than air Solubility in water: Miscible Percent volatile by volume:12.6%-100.0%
Percent volatile by weight: 9.96%- 100.0%
Boiling range: 54°C- 900°C/ 129.2°F- 1652°F
Gallon weight: 6.89- 15.58 lb/gallon

Section IV - Fire and Explosion Data

Flash point (closed cup): See Section X for exact values. Flammable limits: 0.8%- 11.5%

Extinguishing media: Universal aqueous film-forming foam.

carbon dioxide, dry chemical.

Special fire fighting procedures: Full protective equipment.

including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.
Unusual fire & explosion hazards: When heated above the

flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Section V - Health Hazard Data

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of ingredients available. DO NOT INDUCE VOMITING. Inhalation: May cause nose and throat irritation, Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function which may be permanent. Individuals with breathing problems or prior reaction to isocyanates must not be exposed to vapors or spray mist of this product. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation

occurs, contact a physician. Specific Effects:

Acrylic Polymer-N & O Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision. Aliphatic Polyisocyanate Polymer & Aliphatic Polyisocyanate Resin & Aliphatic Polymeric Isocyanate Repeated exposure may cause allergic skin rash. itching, swelling. Repeated exposure that cause alregio shift rash, itching, swelling. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. May cause eye irritation with discomfort, tearing, or blurred vision. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. Aromatic

Hydrocarbon-A & B Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Butyl Acetate May cause abnormal liver function. Tests for embryotoxic activity in animals has been inconclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Carbon Black Is an IARC, NTP or OSHA carcinogen. Dibutyl Tin Dilaurate Causes eye corrosion and permanent injury. Contact may cause skin burns. Can be absorbed through the skin in harmful amounts. Ethyl Acetate Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration , cloudy swelling and an excess of blood in various organs. Ethyl 3-Ethoxy Propionate Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Ethylbenzene Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproduclive, embryotoxic and developmental effects. Has shown mutagenic activity in laboratory cell culture tests. Tests in some laboratory animals demonstrate carcinogenic activity. Individuals with preexisting diseases of the central nervous system, lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures. Ethylene Glycol Monobutyl Ether Acetate Can be absorbed through the skin in harmful amounts. May destroy red blood cells. May cause abnormal kidney function. Heptane Contact may cause skin burns. May cause eye irritation with discomfort, tearing, or blurred vision. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in damage and kidney of liver turnors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver turnors. Isopropyl Alcohol Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Lead Chromate & Lead Chromate Molybdate Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite, anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula: limit(in ug/m3)= 400/hours worked in the day, is an IARC, NTP or OSHA carcinogen. **WARNING**: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm. Medium Mineral Spirits Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Methyl Amyl Ketone Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Methyl Ethyl Ketone High concentrations have caused embryotoxic effects in laboratory animals. Methyl ethyl ketone has been demonstrated to potentiate (i.e., shorten the time of onset) the peripheral neuropathy caused by either n-hexane or methyl n-butyl ketone. MEK by itself has not been demonstrated to cause peripheral neuropathy is the cause peripheral neuropathy is a second neuropathy in the time of onset) the time of onse eral neuropathy, Liquid splashes in the eye may result in chemical Methyl Isobutyl Ketone Recurrent overexposure may result in liver and kidney injury. Individuals with preexisting diseases of the central nervous system or lungs may have increased susceptibility to the toxicity of excessive exposures. Mixed Dibasic Esters High airborne levels in rats have shown mild injury to the olfactory region of the nose. N-Butyl Alcohol Liquid splashes in the eye may result in chemical burns. May cause abnormal blood forming function with anemia. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through stile may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Nickel Azo Complex Repeated exposure may cause allergic skin rash, itching, swelling. Is an IARC, NTP or OSHA carcinogen. WARNING: This chemical is known to the State of California to cause cancer. Nickel Oxide & Nickel, Antimony, Titanium Yellow Pigment Is an IARC, NTP or OSHA carcinogen. The components of this pigment are combined chemically into a uniform substance which does not necessarily reflect. cally into a uniform substance which does not necessarily reflect the properties of the components metals or oxides. WARNING: This chemical is known to the State of California to cause cancer.

Primary Amyl Acetate Recurrent overexposure may result in liver Primary Amyl Acetate Recurrent overexposure may result in liver and kidney injury. Propylene Glycol Monomethyl Ether Acetate May cause moderate eye burning. Recurrent overexposure may result in liver and kidney injury. Quinophthalone Yellow Pigment Contact may cause skin irritation with discomfort or rash. Ingestion may result in gastric disturbances. Titanium Dioxide In a lifetime inhalation test, lung cancers were found in some rats exposed to

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250 mg/m3 respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m3 level are not relevant to the workplace. Toluene Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Chromosomal changes in the circulating blood of exposed workers have been reported. The significance of these reports is unclear because of exposure to other substances. Individuals with preexisting diseases of the central nervous system may have increased susceptibility to the toxicity of excessive exposures. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm. VM&P Naphtha Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Xylene Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts. Individuals with pre-existing disease of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. 1,6-Hexamethylene Diisocyanate May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures. 2,4-Pentanedione Can be absorbed through the skin in harmful amounts. Repeated exposures to high concentrations has caused adverse health effects in laboratory animals. These effects involved the central nervous system, immune system, and the red blood cell forming system. No effect was seen at 100 ppm. The odor is disagreeable at a few ppm. Ingestion may result in gastric disturbances.

Section VI - Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Water, amines, metal salts Hazardous decomposition products: CO, CO₂, smoke. Hazardous polymerization: Will not occur.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Do not breathe vapors. Do not get in eyes and on skin. Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C), eye protection, gloves and protective clothing. Pour liquid decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are:

20% Surfactant (Tergitol TMN 10) and 80% Water OR

0-10% Ammonia, 2-5% Detergent and Water (balance)

Confine and remove with inert absorbent. Pressure can be generated. Do not seal container. After 48 hours, material may be sealed and disposed of properly.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

Section VIII - Special Protection Information

Respiratory: Do not breathe vapors or mists. Wear a positivepressure, supplied air respirator (NIOSH approved TC-19C), while mixing activator with paint, during application and until all vapors and spray mists are exhausted. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area.

Refer to the hardener/activator label instructions for further information.

Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to this product if mixed with isocyanate activators/hardeners Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

Protective clothing: Neoprene gloves and coveralls are recom-

Eye protection: Desirable in all industrial situations, include splash guards or side shields.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring, Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate

Section X - Other Information

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

PRODUCT CODE

INGREDIENTS (See Section II)

EZ-3460S acrylic polymer-b, acrylic polymer-h, butyl acetate, ethylene glycol monobutyl ether acetate (3%*), methyl amyl ketone, mixed dibasic esters, oxo-octyl acetate, toluene (5%*), xylene (0-1%*), 2(2'-hydroxy-3,5'-diteramylphenyl)benzotriazole GAL WT: 8.14 WT PCT SOLIDS: 53.35 VOL PCT SOLIDS: 47.12 SOLVENT DENSITY: 7.18 VOC LE: 3.8 VOC AP: 3.8 H: 2F: 3 R: 0FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB EZ-3461S aliphatic polyisocvanate polymer, butyl acetate, ethyl aliphatic polyisocyanate polymer, butyl acetate, ethyl acetate. ethylene glycol monobutyl ether acetate (4%*)
GAL WT: 8.70 WT PCT SOLIDS: 75.16 VOL PCT SOLIDS: 71.15
SOLVENT DENSITY: 7.49 VOC LE: 2.2 VOC AP: 2.2 H: 1 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB V-195S aliphatic polymeric isocyanate, heptane, methyl amyl ketone, methyl ethyl ketone (9%*), toluene (15%*), 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 8.36 WT PCT SOLIDS: 63.70 VOL PCT SOLIDS: 55.19
SOLVENT DENSITY: 6.77 VOC LE: 3.0 VOC AP: 3.0 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB
1280S acrylic polymero. buth sectors of the sect 1280S acrylic polymer-o, butyl acetate, ethyl acetate, ethylbenzene (8-9%*), methyl isobutyl ketone (3%*), propylene glycol monomethyl ether acetate, toluene (1%*), xylene (25-26%*) GAL WT: 7.96 WT PCT SOLIDS: 35.97 VOL PCT SOLIDS: 30.71 SOLVENT DENSITY: 7.36 VOC LE: 5.1 VOC AP: 5.1 H: 2 F: R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB aliphatic polyisocyanate resin, aromatic hydrocarbon-a, butyl acetate, ethylbenzene (3-8%*), xylene (22-27%*), 1,6-hexamethylene diisocyanate (<0.2%*)
GAL WT: 8.62 WT PCT SOLIDS: 62.98 VOL PCT SOLIDS: 55.67
SOLVENT DENSITY: 7.20 VOC LE: 3.2 VOC AP: 3.2 H: 3 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB hexyl acetate isomers, propylene glycol monomethyl ether acetate. GALWT: 7.78 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.78 VOC LE: 7.8 VOC AP: 7.8 H: 1 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 1935 aliphatic polyisocyanate resin, butyl acetate, ethyl acetate, ethylene glycol monobutyl ether acetate (4%*), 1,6-hexamethylene GIISOCYANATE (<0.2%*)
GAL WT: 9.01 WT PCT SOLIDS: 74.98 VOL PCT SOLIDS: 69.92
SOLVENT DENSITY: 7.49 VOC LE: 2.3 VOC AP: 2.3 H: 2 F: 3
R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB aliphatic polyisocyanate resin, butyl acetate, ethyl acetate, GAL WT: 8.97 WT PCT SOLIDS: 75.00 VOL PCT SOLIDS: 69.66 SOLVENT DENSITY: 7.39 VOC LE: 2.2 VOC AP: 2.2 H; 2 F; 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 3400S acrylic polymer-b, acrylic polymer-i, butyl acetate, ethylene glycol monobutyl ether acetate (5%*), methyl amyl ketone, methyl ethyl ketone (6%*), mixed dibasic esters, toluene (6%*), xylene (0-

1%*), 2(2'-hydroxy-3,5'-diteramylphenyl)benzotriazole GAL WT: 8.08 WT PCT SOLIDS: 53.45 VOL PCT SOLIDS: 46.80 SOLVENT DENSITY: 7.07 VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB acrylic polymer-f, aromatic hydrocarbon-a, butyl acetate, ethyl 3-ethoxy propionate, ethylbenzene (0-1%*), ethylene glycol monobutyl ether acetate (11%*), methyl ethyl ketone (36%*), propylene glycol monomethyl ether acetate, toluene (10%*), xylene (3-4%*), 1,2,4-trimethyl benzene (0-2%*)
GAL WT: 7,25 WT PCT SOLIDS: 3.55 VOL PCT SOLIDS: 2.74
SOLVENT DENSITY: 7.19 VOC LE: 7.0 VOC AP: 7.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 3440S acrylic polymer-b, acrylic polymer-i, butyl acetate, ethylene glycol monobutyl ether acetate (3%*), methyl amyl ketone, methyl ethyl ketone (3%*), mixed dibasic esters, toluene (5%*), xylene (0-1%), 2(2'-hydroxy-3.5'-diteramylphenyl)benzotriazole
GAL WT: 8.12 WT PCT SOLIDS: 53.36 VOL PCT SOLIDS: 47.03
SOLVENT DENSITY: 7.15 VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB acetone, acrylic polymer-a, acrylic polymer-i, acrylic polymer-m, isopropyl alcohol, medium mineral spirits, methyl amyl ketone, mixed dibasic esters, oxo-octyl acetate, 2(2'-hydroxy-3,5'diteramylphenyl)benzotriazole GAL WT: 7.98 WT PCT SOLIDS: 52.38 VOL PCT SOLIDS: 45.12 SOLVENT DENSITY: 6.92 VOC LE: 3.7 VOC AP: 3.5 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 389\$ dibutyl tin dilaurate (1%*), 2,4-pentanedione.

GAL WT: 8.13 WT PCT SOLIDS: 1.00 VOL PCT SOLIDS: 0.94 SOLVENT DENSITY: 8.13 VOC LE: 8.0 VOC AP: 8.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 501H acrylic polymer-a, acrylic polymer-b, butyl acetate, carbon black, methyl amyl ketone, xylene (0-1%°)
GAL WT: 8.22 WT PCT SOLIDS: 52.25 VOL PCT SOLIDS: 45.01
SOLVENT DENSITY: 7.14 VOC LE: 3.9 VOC AP: 3.9 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 502H acrylic polymer-k, butyl acetate, iron oxide, medium mineral GAL WT: 14.19 WT PCT SOLIDS: 71.79 VOL PCT SOLIDS: 46.25 SOLVENT DENSITY: 7.45 VOC LE: 4.0 VOC AP: 4.0 H: 1F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 503H acrylic polymer-a, acrylic polymer-b, butyl acetate, lead chromate (56%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (1-2%*)
GAL WT: 15.58 WT PCT SOLIDS: 75.83 VOL PCT SOLIDS: 50.57
SOLVENT DENSITY: 7.62 VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC **504H** acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, ethylbenzene (0-2%*), methyl amyl ketone, phthalocyanine blue pigment, propylene glycol monomethyl ether acetate, xylene (5-GALWT: 8.54 WT PCT SOLIDS: 49.94 VOL PCT SOLIDS: 43.38 SOLVENT DENSITY: 7.55 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 505H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, carbon black, ethylbenzene (0-2%*), methyl amyl ketone, toluene (2%*), xylene (5-6%*)
GAL WT: 8.24 WT PCT SOLIDS: 48.82 VOL PCT SOLIDS: 41.56
SOLVENT DENSITY: 7.22 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 506H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, ethylbenzene (0-1%*), methyl amyl ketone, phthalocyanine green pigment, toluene (1%*), xylene (4-5%*)
GAL WT: 8.22 WT PCT SOLIDS: 44.38 VOL PCT SOLIDS: 33.83
SOLVENT DENSITY: 6.91 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC 507H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, ethylbenzene (0-1%*), methyl amyl ketone, phthalocyanine blue pigment, propylene glycol monomethyl ether acetate, toluene), xviene (2-3 GAL WT: 8.58 WT PCT SOLIDS: 48.61 VOL PCT SOLIDS: 41.52 SOLVENT DENSITY: 7.54 VOC LE: 4.4 VOC AP: 4.4 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 509H acrylic polymer-a, acrylic polymer-b, butyl acetate. diketopyrrolopyrrol red pigment, methyl amyl ketone, propylene glycol monomethyl einer acetate, xylene (0-1%*) monomethyl ether acetate, xylene (0-1%*)
GAL WT: 9.12 WT PCT SOLIDS: 53.23 VOL PCT SOLIDS: 44.66
SOLVENT DENSITY: 7.71 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC
510H acrylic polymer-a, acrylic polymer-b, butyl acetate, lead chromate (58%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (1%*)
GAL WT: 15.82 WT PCT SOLIDS: 76.29 VOL PCT SOLIDS: 50.99
SOLVENT DENSITY: 7.65 VOC LE: 3.7 VOC AP: 3.7 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73-100 F (CC) OSHA STORAGE: IC
511H acrylic polymer-a, acrylic polymer-b, butyl acetate, lead chromate (56%*), methyl amyl ketone, propylene glycol monomethyl

ether acetate, xylene (0-1%*)
GAL WT: 15.50 WT PCT SOLIDS: 74.46 VOL PCT SOLIDS: 47.97
SOLVENT DENSITY: 7.61 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 512H acrylic polymer-a, acrylic polymer-b, butyl acetate, ethylbenzene (0-1%*), lead chromate molybdate (54%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (2%")
GAL WT: 15.00 WT PCT SOLIDS: 74.95 VOL PCT SOLIDS: 50.53
SOLVENT DENSITY: 7.60.VOC LE: 3.8 VOC AP: 3.8 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 513H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetale, ethylbenzene (0-1%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, quinacridone pigment, toluene (2%*), SOLVENT DENSITY: 7.72 VOC LE: 5.0 VOC AP: 5.0 H: 2 F: 3
R: 0FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 514H acrylic polymer-a, acrylic polymer-b, acrylic polymer-n, butyl acetale, methyl amyl ketone, primary amyl acetale, quinacridone pigment, xylene (0-1%*)
GAL WT: 8.45 WT PCT SOLIDS: 47.12 VOL PCT SOLIDS: 38.10
SOLVENT DENSITY: 7.22 VOC LE: 4.5 VOC AP: 4.5 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 515H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl actylic polymer-a, actylic polymer-b, actylic polymer-c, butyl acetate, iron oxide, methyl amyl ketone, propylene glycol monomethyl ether acetate, toluene (2%*), xylene (0-1%*)
GAL WT: 12.45 WT PCT SOLIDS: 66.39 VOL PCT SOLIDS: 45.20
SOLVENT DENSITY: 7.64 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC
516H acrylic polymer-a, acrylic polymer-b, butyl acetate, methyl amyl ketone, propylene glycol monomethyl ether acetate, titanium dioxide, xylene (0-1%) GAL WT: 14.85 WT PCT SOLIDS: 77.54 VOL PCT SOLIDS: 55.55 SOLVENT DENSITY: 7.50 VOC LE: 3.3 VOC AP: 3.3 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 517H acrylic polymer-a, acrylic polymer-b, butyl acetate, ethylbenzene (0-1%*), ferric hexacyanoferrate (19%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (4-5%*)
GAL WT: 8.93 WT PCT SOLIDS: 51.78 VOL PCT SOLIDS: 42.74
SOLVENT DENSITY: 7.52 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 518H acrylic polymer-a, acrylic polymer-b, acrylic polymer-e, butyl acetate, dioxazine carbozole pigment, ethylbenzene (0-2%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (7-GAL WT: 8.40 WT PCT SOLIDS: 52.90 VOL PCT SOLIDS: 46.95 SOLVENT DENSITY: 7.46 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 519H acrylic polymer-a, acrylic polymer-b, anthraquinone pigment, butyl acetate, ethylbenzene (1-3%*), methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (8-10%*) GAL WT: 8.27 WT PCT SOLIDS: 48.57 VOL PCT SOLIDS: 42.10 SOLVENT DENSITY: 7.35 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 520H acrylic polymer-j, aluminum (10%*), aromatic hydrocarbon-a, ethylbenzene (0-1%*), medium mineral spirits, n-butyl alcohol (3%*), propylene glycol monomethyl ether acetate, xylene (4-5%*) GAL WT: 8.63 WT PCT SOLIDS: 47.73 VOL PCT SOLIDS: 39.26 SOLVENT DENSITY: 7.43 VOC LE: 4.5 VOC AP: 4.5 H: 2 F: 3 R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 522H acrylic polymer-j, aluminum (25%*), aromatic hydrocarbon-a, butyl acetate, ethylbenzene (0-1%*), medium mineral spirits, n-butyl butyl acetale, ethylbenzene (0-1%*), medium mineral spirits, n-butyl alcohol (2%*), propylene glycol monomethyl ether acetate, stoddard solvent, xylene (4-5%*) GAL WT: 9.30 WT PCT SOLIDS: 51.04 VOL PCT SOLIDS: 38.83 SOLVENT DENSITY: 7.44 VOC LE: 4.6 VOC AP: 4.6 H: 2.F: 3 R: 1.FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 524H acrylic polymer-j, butyl acetate, isopropyl alcohol, medium mineral spirits, n-butyl alcohol (8%*), nickel azó complex (8%*), propylene glycol monomethyl ether acetate, toluene (2-3%*), vm&p GAL WT: 8.25 WT PCT SOLIDS: 51.68 VOL PCT SOLIDS: 44.42 SOLVENT DENSITY: 7.17 VOC LE: 4.0 VOC AP: 4.0 H: 2 F: 3 R: 1 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 525H acrylic polymer-a, acrylic polymer-b, butyl acetate ethylbenzene (0-1%*), iron oxide, methyl amyl ketone, primary amyl acetate, xylene (3-4%*)
GAL WT: 9.54 WT PCT SOLIDS: 52.70 VOL PCT SOLIDS: 37.38
SOLVENT DENSITY: 7.21 VOC LE: 4.5 VOC AP: 4.5 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 526H acrylic polymer-j, butyl acetate, dioxazine carbozole pigment, medium mineral spirits, n-butyl alcohol (4%*), propylene glycol monomethyl ether acetate
GAL WT: 8.31 WT PCT SOLIDS: 50.04 VOL PCT SOLIDS: 44.08
SOLVENT DENSITY: 7.42 VOC LE: 4.2 VOC AP: 4.2 H: 1 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

527H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, barium sulfate, butyl acetate, c.i. pigment red 179, methyl amyl ketone, propylene glycol monomethyl ether acetate, toluene (3%*), xylene (0-GALWT: 8.81 WT PCT SOLIDS: 44.05 VOL PCT SOLIDS: 36.10 SOLVENT DENSITY: 7.71 VOC LE: 4.9 VOC AP: 4.9 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 528H acrylic polymer-a, acrylic polymer-n, butyl acetate, methyl amyl ketone, monoazo pigment, propylene glycol monomethyl ether acetate GAL WT: 9.07 WT PCT SOLIDS: 48.94 VOL PCT SOLIDS: 40.65 SOLVENT DENSITY: 7.80 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC acrylic polymer-a, acrylic polymer-b, butyl acetate, isoindolinone pigment, methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (1-2%*)
GAL WT: 9.43 WT PCT SOLIDS: 51.47 VOL PCT SOLIDS: 40.48
SOLVENT DENSITY: 7.69 VOC LE: 4.6 VOC AP: 4.6 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC R: 0 FLASH PI: BE I WEEN 73 - 100 F (CC) OSHA STORAGE: IC 538H acrylic polymer-a, acrylic polymer-b, acrylic polymer-c, butyl acetate, methyl amyl ketone, nickel oxide (3%*), nickel, antimony, titanium (54%*), propylene glycol monomethyl ether acetate, toluene (1%*), xylene (0-1%*)
GAL WT: 14.80 WT PCT SOLIDS: 72.16 VOL PCT SOLIDS: 46.28
SOLVENT DENSITY: 7.67 VOC LE: 4.1 VOC AP: 4.1 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 542H acrylic polymer-a, acrylic polymer-b, ethylbenzene (0-1%*), methyl amyl ketone, primary amyl acetate, quinacridone pigment, xylene (2%*) xylene (2%-)
GALWT: 8.29 WT PCT SOLIDS: 48.81 VOL PCT SOLIDS: 40.89
SOLVENT DENSITY: 7.18 VOC LE: 4.2 VOC AP: 4.2 H: 2F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC Stath acrylic polymer-a, acrylic polymer-b, butyl acetate, ethylbenzene (0-2%*), iron oxide, methyl amyl ketone, primary amyl acetate, xylene (5-6%*)
GAL WT: 9.24 WT PCT SOLIDS: 54.31 VOL PCT SOLIDS: 41.41
SOLVENT DENSITY: 7.21 VOC LE: 4.2 VOC AP: 4.2 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 549H acrylic polymer-a, acrylic polymer-b, aromatic hydrocarbonb, butyl acetate, methyl amyl ketone, propylene glycol monomethyl ether acetate, xylene (0-1%*)
GAL WT: 9.98 WT PCT SOLIDS: 56.60 VOL PCT SOLIDS: 42.48
SOLVENT DENSITY: 7.53 VOC LE: 4.3 VOC AP: 4.3 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 551H acrylic polymer-a, acrylic polymer-b, butyl acetate, methyl armyl ketone, propylene glycol monomethyl ether acetate. quinophthalone yellow pigment, xylene (1-2%*)
GAL WT: 9.42 WT PCT SOLIDS: 52.75 VOL PCT SOLIDS: 42.06
SOLVENT DENSITY: 7.68 VOC LE: 4.5 VOC AP: 4.5 H: 2F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 569H acrylic polymer-a, acrylic polymer-b, acrylic polymer-n, butyl actylic polymer-a; actylic polymer-b, actylic polymer-b, actylic polymer-i, butylic acetate, methyl amyl ketone, monoazo pigment, propylene glycol monomethyl ether acetate, xylene (1-2%*)
GAL WT: 9.30 WT PCT SOLIDS: 56.44 VOL PCT SOLIDS: 47.26
SOLVENT DENSITY: 7.68 VOC LE: 4.1 VOC AP: 4.0 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 572H acrylic polymer-I, cellulose acetate butyrate, ethyl acetate propylene glycol monomethyl ether acetate, toluene (4-5%*), vm&p naphtha, xylene (0-1%*)
GAL WT: 8.13 WT PCT SOLIDS: 35.48 VOL PCT SOLIDS: 30.16
SOLVENT DENSITY: 7.51 VOC LE: 5.2 VOC AP: 5.2 H: 2F: 3
R: 0FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB 576H acrylic polymer-m, butyl acetate, ethylbenzene (0-1%*), heptane, medium mineral spirits, n-butyl alcohol (14%*), xylene (1-GAL WT: 7.49 WT PCT SOLIDS: 45.00 VOL PCT SOLIDS: 35.11 SOLVENT DENSITY: 6.35 VOC LE: 4.1 VOC AP: 4.1 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 577H acrylic polymer-b, acrylic polymer-d, butyl acetate, ethyl acetate, ethylbenzene (0-1%*), ethylene glycol monobutyl ether acetate (12%*), methyl amyl ketone, methyl ethyl ketone (3%*), organoclay, polyester resin-a, xylene (4-5%*)
GAL WT: 8.02 WT PCT SOLIDS: 32.78 VOL PCT SOLIDS: 26.95 SOLVENT DENSITY: 7.38 VOC LE: 5.4 VOC AP: 5.4 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB 590H acrylic polymer-j, aluminum (23%*), aromatic hydrocarbon-a, butyl acetate, ethylbenzene (0-1%*), medium mineral spirits, n-butyl alcohol (2%*), propylene glycol monomethyl ether acetate, xylene alcohol (2%*), propylene glycol monomethyl ether acetate, xylene (4-5%*) GAL WT: 9.20 WT PCT SOLIDS: 49.24 VOL PCT SOLIDS: 35.14 SOLVENT DENSITY: 7.20 VOC LE: 4.7 VOC AP: 4.7 H: 2.F: 3 R: 1 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC 759S ethylbenzene (3%*), silicone resin, xylene (13%*), 2,4-

GAL WT: 8.02 WT PCT SOLIDS: 4.11 VOL PCT SOLIDS: 3.65 SOLVENT DENSITY: 7.98 VOC LE: 7.7 VOC AP: 7.7 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC

pentanedione.

8685\$ ethyl acetate, ethylene glycol monobutyl ether acetate (40%*), methyl ethyl ketone (10%*), GAL WT: 7.51 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.51 VOC LE: 7.5 VOC AP: 7.5 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB

8940S beta-(3-(2h-benzotriazol-2-yl)-4-hydroxy-5-tert, ethyl acetate, methyl amyl kelone, polyester resin-b GAL WT: 8.71 WT PCT SOLIDS: 90.04 VOL PCT SOLIDS: 87.39 SOLVENT DENSITY: 6.88 VOC LE: 0.9 VOC AP: 0.9 H: 2 F: 2 R: 0 FLASH PT: BETWEEN 100 - 140 F (CC) OSHA STORAGE: II

8950S ethyl acetate, ethyl 3-ethoxy propionate, ethylbenzene (0-1%*), methyl ethyl ketone (4%*), polyester resin-a, xylene (2-3%*) GAL WT: 9.28 WT PCT SOLIDS: 80.95 VOL PCT SOLIDS: 75.69 SOLVENT DENSITY: 7.27 VOC LE: 1.8 VOC AP: 1.8 H: 1 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

8960S acrylic polymer-a, amorphous silica, beta-{3-(2h-benzotriazol-2-yl}-4-hydroxy-5-tert, ethyl acetate, isopropyl alcohol, methyl amyl ketone, polyol GAL WT: 7.99 WT PCT SOLIDS: 67.20 VOL PCT SOLIDS: 61.06 SOLVENT DENSITY: 6.73 VOC LE: 2.6 VOC AP: 2.6 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB

897 ûS ethyl 3-ethoxy propionate, methyl ethyl ketone (78%*), GAL WT: 6.89 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.89 VOC LE: 6.9 VOC AP: 6.9 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 20 - 73 F (CC) OSHA STORAGE: IB

8975S acrylic polymer-g. ethylbenzene (0-1%*), hexyl acetate isomers, n-butyl alcohol (5%*), toluene (3-4%*), vm&p naphtha, xylene (0-2%*)
GAL WT: 8.21 WT PCT SOLIDS: 61.50 VOL PCT SOLIDS: 51.67
SOLVENT DENSITY: 6.54 VOC LE: 3.2 VOC AP: 3.2 H: 2 F: 3
R: 0 FLASH PT: BETWEEN 20-73 F (CC) OSHA STORAGE: IB

8989S dibutyl tin dilaurate (5%*), 2,4-pentanedione, GAL WT: 8.15 WT PCT SOLIDS: 4.99 VOL PCT SOLIDS: 4.67 SOLVENT DENSITY: 8.12 VOC LE: 7.7 VOC AP: 7.7 H: 2 F: 3 R: 0 FLASH PT: BETWEEN 73 - 100 F (CC) OSHA STORAGE: IC

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales

Prepared by D. G. Detweiler

G



Emergency Telephone No.:

CHEMTREC - day or night 800-424-9300

SPIES HECKER Inc.

55 Sea Lane • Farmingdale, NY 11735

(516) 777-7100

Product Class:

Trade Name:

Polyurethane resin

a mily ment (40 to 144):

Parmahyd Mixing Colour Series 285

WS 561 bluish green pearl

Art.-No. 381 1881 3

TSCA INFORMATION: All ingredients in this product are fisted on EPA's TSCA inventory of Chemical Substances.

Date: 1999-01-07

		Section II - In	gredients						
				TLVs 1998	ACGIH	Addition			
1t			ì	AWT	STEL/C	I nformatio			
Ingredient		CAS-No	. Percent	(ppm/mg/m³)	(ppm/mg/m²)				
Vvater		7732-18-5	61.9						
Mics		12001-25-2			_	_			
n-Butano: /		71-38-3		3 mg/m³		-			
2-Butoxyethanol		111-76-2	1	~	C 50 ppm	sara			
Methyl pyrrolidone		872-50-4	1.**	25 рэт	_	_			
2 - Dimethylamino ethanol		108-01-0	1	_	_	Sere			
Solvents, total impurities			1 ***		-				
Pigments		proprietary		h.∎.	n.e.	_			
Filmformers, additives		proprietary	1 ***	n.a.	D. O.	-			
1 WINDIN 10.0, 220 HYES		proprietary	15.0	n.e.	n.e.				
-		Section III - Ph	Usical Data	<u></u>					
politing Range 100 - 202			Solubility in Water: miscible						
/spor Density (Air=1) >1		Vapor pressure:							
Evaporation Rate (ether=1)			V.O.C. costing: 2.97 [bs/ga]			358 g ≀			
Volatile Volume		81%	V.O.C. material:	0.96	-				
Specific Gravity (H ₂ O=1)		1.10	HMIS (NFPA) retir	115 g l					
Appearance and Odor		liquid, green, ty		& (1000) - Mrs - 160	Cavity)	1-2-0			
		Section IV - Fir	e and Explosion F	lazard Data					
Fiammability Classification:		OSHA:	Clase II	LEL 23.0 Vc %					
•		DOT:	Flammable Liquid	Flesh Foint	54°C				
		UN-NO.;	not restricted						
Extinguishing Media:	X	Foam		"Alcoho!" Foam	E\$	co,			
	X	Dry Chemical		Water Foo	ī	Other			
Jausual Fire and Explosion (azard	\$:	Keep containers tightly closed, leclate from heat, electrical						
			equipment, sparks	and open flame. C	los≞d contsiners r	720			
				sed to extreme heat					
			surfaces.			1101			
Special Firefighting Procedures:			Water may be used to cool containers to prevent pressure						
			build-up and possil	ale autoignition or ex	Diosion when em	 osed			
			to extreme heat. If	Water is used fog no	zzies are prafera	bie			
•			To protect firefights	ers from any hazard	ous decompositio	n			
			products (see Sect	VI) full proteotive e	suipment.				

sare: Ingredient subject to the reporting requirements of the Supportunic Amendments and Result-origation Act (SARA). Section 313, 4E CFR 372. if C. haps: hazardous air pollutant / CAA Sec. 112(b)

props ingredient known to the State of Colifornia to cause cancer and birth defects or other reproductive nami (California Proposition 65)

n.s. = no: applicable

n.e. = net established

1 / 17 # / 25009.0 / 98 / 51C

Date: 1999-01-07		SPIÉS HECKER G		Page 2 of 2	Art. No. 361 18 1 3					
		Section V - Hea	ith Hazard D	ata						
Effects of Overexposure:	by the tollow	ritation of the respiratory ring progressive steps: h ress, or coma,	y tract or abute neadache, dizz	t nervous system de _l ziness, straggering ga	pression characterize (alt, confusion,					
Skin or eye contact:	Frimary init									
Repeated overexposure to solv			and nanmue «	tuezem demana lata	rional alcuna					
purposely concentrating and in	haling organic s	ovent vapors may be ha	ermiul or fatel.	system i camage, trien	rkoriai misuse by					
Medical Conditions prone to	aggravation by	y exposure: Do not use if you have ever had a i	this product it	f you have ohronic (ic	ong-term; lung or one: thing					
Primary Route(s) of entry:		X Dermal		Inhalation	Ingestion					
Emergency and First Aid Pro										
	inhalation: R	emove from exposure to	fresh air. If n	ot breathing give entif	icial respiration.					
	Skin contact	Flush immediately with Remove contaminated o not induce vomiting. K	ciothing, Was	sh immediately with b	ites. lenty of soap and wa er.					
		Section VI - Rea	etivity Data							
Stability		Unstable	X	Stable						
Hazardous Polymerization		May soour	[X]	Will not occur						
Hazardous Decomposition Pr	lazardous Decomposition Products			May produce hazardous furnes when heated to decomposition.						
		Fumes may contain carbon monoxide/carbon dioxide/nitrogen cxides								
Conditions to avoid	Unknown									
ncompatibility (materials to a Photochemically reactive solv		Unknown								
-moreomenticany reactive son	/enis:	No								
		Section VII - Spi	il or Leak Pro	ocedures						
Steps to be taken in pase mat	erial is release	d or spilled: Remove a	il sources of ig	inition (flames, hot ex	rfaces, and aparks)					
	Avoid breamii	ng vapors. Ventilate are:	a. Remove wit	h inert absorbant and	f non-eparking tools					
Vasta Disposal Method:	Dispose in ac	cordance with local, sta	te, and federa	regulations						
	Do not incine	Do not incinerate closed containers.								
		Section VIII - Saf	ie Handling a	nd use information						
lespiratory Protection:	Wear NIOSH	Showed toonistes for	0500010 110000							
	OSHA regulat	tions for respirator use 2	29 CFR 1910 1	s end paint, taquer ar 134 in all cases, nie:	nd enemel mists. Of serve					
	OSHA regulations for respirator use 25 CFR 1910.134. In all cases, please read manufacturer's instructions carefully to determine the type of airborne contaminants against which the respirator									
. 44 4	is effective.				-					
entilation:	Provide suffici	ient mechanica: (genera	or local extra	ust) ventilation to kea	p TLV and LEL below					
rotective Gioves:	stated limits.	over the state of the market								
ye Protestion:	Use safety av	oves required for prolong ewear designed to prote	get or repeate	id contact.						
ther Protective Equipment:	Wear impervio	ous clothing. Clothing m	ust cover all e	san or riquios. xposed skin when ap	raying in an enclose id area.					
ygienic Praetices:	Eye washes and safety showers in the workplace is recommended. Wash hands thoroughly and before eating or smoking.									
		Section IX - Spec	lal Precautio	ns						
recautions to be taken in han	dling and stork	ng: Kesp containers tigh	ntly closed in a	scool, dry, well-ventil	ated area away					
	from all source	🕿 of ignition. Store large	quantities in	buildings designed ar	nd protected for					
ther Precautions:	storaçe of flam	rabie or combustible li	quids.		•					
	Employees m	est be trained in safety n	neasures that	should be taken in he	andling this produc.					
te above information pertains	additive to the	as currently formulated	and is based	on the information a	evaliable at this fin e.					
ditions of reducers and other nce conditions of use are outs		o product may substant	willy alter the	composition and ha	zards of the product.					
connection with any use of th	is information.	o, no marcini warram	ves, express (и implied, and assur	ne no liability					



Section Product identification	Page 1 of 2
Date: 1999-01-11	

Emergency Telephone No.:

CHEMTREC - day or night 800-424-9300

SPIES RECKER Inc.

55 Sea Lane - Farmingdale, NY 11735

(516) 777-7100

Product Class:

Folyurethane resin

Trade Name:

Fermelhyd Mixing Colour Series 280

WB 848 bluish green

Art.-No. 360 1848 1

TSCA INFORMATION: All ingredients in this product are listed on EPA's TSCA Inventory of Chamical Substances.

		Section II - In	ar careists		·			
				TLVs 1998	1		dditional	
for one of the state of			İ	TWA	STEL/C	l tr	formatio	
Ingredient		CAS-No.	Percent	(ppm/mg/m³)	(ppm/mg/m³)		-	
Wate:		7732-18-6	64.6	_	_			
Z-Butoxyethanol		111-76-2	1	25 ppm	-	1	_	
n-Butanoi		71-36-3	1 -	Zo ppm	0.50	ŀ	_	
Misthyl pyrrolidene		872-50-4	1		C 50 ppm		Sala	
2 - Dimethylamino ethanoi		108-01-0	1		_	1	暴君广复	
Scivents, total impurities		proprietary	1			1	_	
Picments		proprietary	i	n.e.	n.e.	ı	_	
Filmformers, additives		proprietary	I	п.е. л.е.	n.e.			
,		,,,,,,,			Π.♥.			
		Section III - Ph	ysical Data			<u> </u>		
Boiling Range 100 - 202°C			Solubility in Water: miscible					
Vapor Density (Air=1) >1		Vapor pressure: 0.20 hPa						
Evaporation Rate (ether=1)		350	V.O.C. coating:	2.29	lbs/gal	275 g		
Volatile Volume		77%	V.O.C. material;	0,76 lbs/gal				
Specific Gravity (H ₂ 0=1)		1.03	V.O.C. material: 0,76 lbs/gsl 91g/ HMIS (NFPA) rating (health - fire - reactivity) 1 - 2					
Appearance and Odor		liquid, blue, typi				` -	•	
		Section IV - Fir	e and Explosion H	iszard Data		_		
Fiammability Classification:		OSHA:	Class III A	Flash Point	65°C	IFI:	2.4 Vol %	
		DOT:	Flammable Liquid					
	•	UN-NO.:	not restricted					
Extinguishing Media:	X	Foam		"Alcoho!" Foem	[3	CO 2		
	X	Dry Chemical		Water Foo	<u></u>	Other		
Unusual Fire and Explosion (Hazard	5:	Keep containers tig	htly closed, isolate	from beat electric			
·			equipment, sperks					
			explode when expo					
			aurizces.		appropries			
Special Firefighting Procedures:			Water may be used to cool containers to prevent pressure					
			build-up and possil	ie autoignition or e	piosion When exc	ceed		
			to extreme heat, if	water is used foo no	ozzios are prefera	ble.		
•			To protect firefighte	rs from any hazard	ous escompositio	n		
•			products (see Sect	VI) full protective a	quipment.			
			including self-conta	inad baselina ana				

sara: Ingredient audient to the reporting requirements of the Superfund Amandments and Resultinorization Act (SARA). Section 313, 40 CFR 372-35 C. haps: hazarroous air poliutent / CAA Sec. 112(b).

propringredient known to the State of California to cause cancer and binh defeats or other reproductive harm (California Proposition 65)

n.a. = not applicable

n.e. ≈ not established

V 116 / 21982.7 / 85 / 830

Ç≐te: 1999-01-11	SPIES HECKER GmbH Page 2 of 2 Art. No. 360 184 8 1							
	Section V - Health Hazard Data							
Effects of Overexposure:	inhalation: irritation of the respiratory tract or acute nervous system depression characterizer!							
-	by the following progressive steps: headache, dizziness, straggering gait, confusion,							
	unconsciouness, or coms.							
Skin or eye contact:	Primery irritation							
Repeated over exposure to solve	ent vapors may cause permanent brain and nervous system damage. Intentional matters by							
purposely concentrating and inf	haling organic solvent vapors may be harmful or fatal.							
Medical Conditions prone to	aggravation by exposure: Do not use this product if you have chronic (long-term) lung or breathing							
Primary Route(s) of entry:	problems or if you have ever had a reaction to the ingredients stated in section il. X Dermal X Inhalation Ingestion							
Emergency and First Aid Pro-	cedures : Call a physician							
_	Inhelation: Remove from exposure to fresh air. If not breathing give artificial respiration,							
	Eye contact: Flush immediately with plenty of water for at least 15 minutes.							
	Skin contact: Remove contaminated clothing. Wash immediately with plenty of soap and was:							
	Ingestion: Do not induce vomiting. Keep warm and quiet.							
	Section VI - Reactivity Data							
Stability	Unstable X Stable							
•								
Hazardous Polymerization	TWI not occur							
Hazardous Decomposition Pr	roducts May produce hazardous furnes when heated to decomposition.							
· - •	Fumas may contain carbon monoxide/carbon dioxide/nitrogen cxides							
Conditions to avoid	Unknown							
Incompatibility (materials to a								
Photochemically reactive solv	Venta: No ·							
·	Section VII - Spill or Leak Procedures							
-								
Steps to be taken in case mat	terial is released or spilled: Remove all sources of ignition (flames, hot surfaces, and sparks) Avoid breathing vapors. Ventilate area. Remove with inert absorbent and non-sparking tools							
Waste Disposal Method:	Dispass in accompany with treat that we are a second or							
ITHING GINAGES WEEKER.	Dispose in accordance with local, state, and federal regulations. Do not inclinerate closed containers.							
	Section VIII - Safe Handling and use information							
Respiratory Protection:	Wear NIOSH approved respirator for organic vapors and paint, laquer and enamel mists. Ct serve							
	OSHA regulations for respirator use 29 CFR 1910.134. In all cases, please read manufacturer's							
	instructions carefully to determine the type of airborne contaminants against which the respi ator							
Ventilation:	is effective.							
/entileuon:	Provide sufficient mechanical (general or local exhaust) ventilation to keep TLV and LEL beir w							
Protective Gloves:	stated limits.							
Eya Protection:	Impervious glaves required for prolonged or repeated contact.							
eya Protection: Other Protective Equipment:	Use safety eyewear designed to protect against splash of liquids. Wear impervious clothing. Clothing must occur all exposed skin when spraying in an enclos id area.							
lygienic Practices:	Eye washes and safety showers in the workplace is recommended. Wash hands thoroughly and before eating or smoking.							
	Section IX - Special Precautions							
recautions to be taken in han	dling and storing: Keep containers tightly closed in a cool, dry, well-vanifiated area away							
	from all sources of ignition. Store large quantities in buildings designed and projected for							
	storage of flammable or combustible liquids.							
ther Precautions:	Employees must be trained in safety measures that should be taken in handling this product.							
he above information pertains	to this product as currently formulated and is based on the information available at this size.							
regizers of feducers and other	additives to this product may substantially after the composition and bazarde of the group of							
THE COMPANIONS OF 1728 SID OFF	ide of our control, we make no warranties, express or implied, and accume no linkility							
connection with any use of thi	is information.							



Section	Product	Identification

Date: 1997-12-03

Page 1 of 2

Emergency Telephone No.:

CHEMTREC - day or night 800-424-9300

SPIES HECKER Inc.

55 Sea Lane • Farmingdale, NY 11735

(516) 777-7100

Product Class:

Polyacrylic resin

Trade Name:

Permasolid HS Clear Coat 8030

Art.-No. 291 8030 B

TSCA INFORMATION: All ingredients in this product are listed on EPA's TSCA inventory of Chemical Sub stances.

				Occupational E	Anna usu limita	Vanas Busas and		
Ingredient		CAS-No.	Percent	TLV	Vapor Pressure			
					PEL_	11-420 0		
Butyl acetate		123-85-4	2.6	150 ppm	150 ppm	13.00		
Arematic hydrocarbons mi	xture (C ₉	- C ₁₂)	}	''				
		64742-95-6	20.1	n.e.	n.ė.	3.00		
Isobutyl alcohol		7 8- 83-1	1,	50 ppm	50 ppm	9.50		
1,2,4-Trimethy!-Benzene*		95-63-6	/ 10.9	n.e.	n.e.	n.e.		
Ethoxypropyl acetate		98516-30-4	6.4	n.e.	n.e.	0.23		
2 - Dimethylamino ethanol		108-01-0	0.5	h.e.	n.ė.	6.12		
Solvents, total impurities*		proprietary	0.6	n.e.	n.ę.	Π.Φ.		
Filmformers, additives		proprietary	68.9	n.e.	ຄ.ຂ.	n,e,		
,		Section III - Pi	hveical Data					
Boiling Range		124 - 178°C	Solubility in Water:	<u> </u>	moderate	-		
Vapor Density (Air=1)		>1	Vapor pressure:		hPa			
Evaporation Rate (ether=1))	70	V.O.C. costing:		lbs/gel	405 g/l		
Voletile Volume		47%	V.O.C. material;		ibs/gai	405 a/l		
Specific Gravity (H ₂ O=1)		0.89	HMIS (NFPA) rating (health - fire - reactivity) 1 - 2 -					
Appearance and Odor		liquid, colorless	s, typical					
			re and Explosion)		*			
Flammability Classification	on:	OSHA;	Class II		40°C	LEL 0.8 Vol %		
		DOT:	Combustible Liquid					
Emilia arrichta a 18-34	(E)	UN-NO.:	1263	_	-			
Extinguishing Media:	X	Foam		"Alcohol" Foam		CO ₂		
	X	Dry Chemical		Water Fog		Other		
Unusual Fire and Explosi	on Haza	rds:	Keep containers tig	htly closed. Isolat	s from heat, ele	ct ical		
			equipment, sparks,					
			explode when expo	sed to extreme he	at Do not apply	ren hot		
Special Firefighting Procedures:			Water may be used to cool containers to prevent pres sure					
			build-up and possit					
			to extreme heat. If					
			To protect firefighte					
			products (see Sect.					
			including self-conta					

^{*} Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.45 C.

[&]quot; contains ingredient which is known to the State of Collisionals to cause cancer and birth defects or other reproductive harm (California Proper tion 65)

Date: 1997-12-03		SPIES HECKER Gmb	Page 2 of 2	Art. No.291 3030 9
		Section V - Health I	Hazard Data	
		,	<u> </u>	
Effects of Overexposure:	Inhalation: irri	tation of the respiratory to	act or acute hervous system	n depression characterized
-	by the following	ig progressive steps: hea	dache, dizziness, straggerin	ig gelt, confusion,
	unconscioune	es, or coma.	,	
Skin or eye contact:	Primary initati	ion		
Repeated overexposure to so			r and nervous system dam:	age, intentional misuse by
purposely concentrating and i				
		• -		hronic (iong-term) lung or breathing
Magical Collections bronc o	• -	- ·	action to the ingredients stat	
Primary Route(s) of entry:	hionicins of 1	X Dermal	X inhalation	ingestion
Emergency and First Aid Pr			[X] irinaladon	
Emergency and First Ald Fi			and all librat baselfine six	- additional received an
•			resh air. If not breathing give	•
	-		enty of water for at least 15	
				vith plenty of soap and water.
	ingestion : Do	not induce vomiting. Ker	es warm and quiet.	
		Section VI - Reacti	vity Data	
	· · · · · · · · · · · · · · · · · · ·			
Stability		Unstable	X Stable	
Hazardous Polymerization		May occur	X Will not occur	
Hazardous Decomposition	Desducto		s fumes when heated to dec	composition
Mazardeus peconiposition	Piodacia		rbon monoxide/carbon dioxi	
		•	thou thoucads:establ: groxi	devilitogen exide i
Conditions to avoid		Unknown		
Incompatibility (materials t	•	Unknown		
Photochemically reactive s	olvents:	Yes		
		6C W. 6-W		
		Section VII - Spill (or Leak Procedures	
			. 10 a	
Steps to be taken in case if				nes, hot surfaces, and sparks).
		• •	Remove with inert absorbe	Int and non-sparking tools.
Waste Disposal Method:	•	•	e, and federal regulations.	
	Do not incine	rate closed containers.		
		Section VIII - Safe	Handling and use Informa	ition
Respiratory Protection:	Wear NIOSH	approved respirator for o	rganic vapors and paint, isc	quer and enamel mists. Observe
				s, please read manufacturer s
				its against which he respirator
	is effective.	•	••	•
Ventilation:	Provide suffic	ient mechanical (ceneral	or local exhaust) ventilation	to keep TLV and LEL below
	stated limits.			, , , , , , , , , , , , , , , , , , , ,
Protective Gloves:		oves required for prolong	ed or repeated contact	
Eye Protection:			t against splash of liquids.	
				hen spraying in an enclosed area.
				i. Wash hands the roughly and
Hygienic Practices:	•	-	Workpiace is reconsinenced	i. Wash hands at houghly end
	before eating	or smcking.		
	<u> </u>	Section IX - Specia	al Precautions	
	4 101		. <u>45 -41 </u>	مستحدم سمست استغمال المستعدد المستعدد المستعدد ا
Precautions to be taken in				
		-	quantities in buildings desi	igned and protect and for
	_	mmable or combustible i	•	
Other Precautions:				en in handling this product.
The above information pertain				
Additions of reducers and oth				
Since conditions of use are or			ties, express or implied, and	assume no liabili y
in connection with any use of	this informatio	n		QV 136 / 867465 / 03 / 030



						4	. '
		Section Pro	duct	dentification	· · · · · · · · · · · · · · · · · · ·	 -	Page 1 of
Emannan an Talaska				97-12-02			- Fage I Oi
Emergency Telephone					SPIES HECKER II		
CHEMTREC - day or n	ign: 800-	424-8300			55 See Lane - Fan	mingdals, NY 1173	86
Product Class:	Polyacryla	te			(516) 777-7100		
Trade Name:	Permahyd	1K Primer Surfac	er 41	φo	ArtNo. 291 410	0 1	
TSCA INFORMATION	: All ingred	llents in this produ	ict ar	e listed on EP/	A's TSCA Inventor	y of Chemice! S	ul stances,
		Section II - Ir	ngred	lients			
,:			T		Occupational E	KDOSUTE Limits	Vapor Pressure
Ingredient		CAS-No.	_	Percent	TLV	PEL	hFa/20°C
Water ,		7732-18-5		20.4			
2 - Butoxyethanol				33.4	n.e.	D.e.	23.37
Zinc phosphate*		111-76-2		6.4	25 ppm	25 ppm	0.90
Silica, Quartz°		7779-90-0	1	9.3	n.e.	П.е.	n.e,
Silica, Quanz* 14808-60- Solvents, total impurities proprietar			4	1,9	Q.1 mg/m ³	n.e.	n.e.
Pigments	3			0.2	n.e.	n.e.	n.e,
Filmformers, additives		proprietary		30,0	n.e.	ก.е.	n.e.
The state of the s		proprietary		18.8	n.e.	n.ŧ.	n.e.
		Section III - Pi	nysic	al Data	· · · · · · · · · · · · · · · · · · ·		
Boiling Range		100 - 171°C	Solu	bility in Water.		misciple	
Vapor Density (Air=1)		· >1	Vap	or pressure:	0.40		
Evaporation Rate (ether	≖ 1)	163	V.O.	C. coating:	-	lbs/gəl	1 7 7 g/l
Volatile Volume		58%		C. material;		ibs/gel	\$2 <u>p</u> /l
Specific Gravity (H ₂ O=1)	1.35	HMI	S (NFPA) ratin	g (health - fire - re	activity)	1-2-0
Appearance and Odor		liquid, beige, ty	pical				
		Section IV - Fi	re an	d Explosion I	lazard Data		
lammability Classific	etion:	OSHA:	ı	s III A		B0°C	LEL 23.5 Vol %
		DOT:	∞m	bustible Liquid			
	_	UN-NO.:	not r	estricted			
Extinguishing Media:	<u>IX</u>	Foam	ļ		"Alcoho:" Foam	X	CO ₂
1 1 	. 🛛	Dry Chemical			Water Fog		Other
Inusual Fire and Explo	essi l noise		Kee	containers tig	ntly closed. Isolate	from heat, elec	t ical
•	•.	•	edně	oment, sparks,	and open flame. (Rosed container	: mav
			expl	de when expo	sed to extreme hea	at. Do not apply	rn hot
manial Simple 4 44	•-		eu:f	ces,			
pecial Firefighting Pro	xceoures:		Wate	r may be used	to cool containers	to prevent pres	· ure
			חוום	dizzed ans dn-	le autoignition or e	explosion when a	e cosed
			10 PX	reme heat. If y	water is used fog n	ozzies are prefe	able.
		·	I O pi	rotect firefighte	rs from any hazaro	ious decomposi	t on

products (see Sect.VI) full protective equipment,

including self-contained breathing apparatus, is recommended.

n.a. = not applicable

n.e. = not established

U 116/32068.4 (\$9 [48],

^{*} Ingredient subject to the reporting requirements of the Superfund Amendments and Resultivization Act (SARA) Section 313, 40 CFR 372.5 ; C. * contains ingredient which is known to the State of California to cause cancer (California Proposition 65)

Date. 1997-12-02		SPIES HECKE		Page 2 of 2	Art. No. 29	+ 41 00 1
•		Section V -	Health Hazard	Data		1 4100 1
Effects of Overson and						•
Effects of Overexposure:		ritation of the resp	ratory tract or a	icute nervous system	depression che	racterized
	-3 (14 1011044	ma hindiazziAs zie	ps: headache,	dizziness, straggering	gait, confusior	
Plain an arm a refer to	aucoriació 3 i	ess, or come.				
Skin or eye contact:	Primary irrita	tion	ļ.			
Repeated overexposure to a	solvent vapore r	nay cause perman	ent brain and n	ervous system dama	de. Intentional r	nisuse by
factorial contraction of the Con	~ *************************************	BC SO:VEDI VEDARE I	THE PARTY OF THE P			
Medical Conditions prone	to aggravatio	n by exposure: D	ο ήσί use this p	roduct if you have ch	ronic (lang-term	riung or breathi
	€1001Œ;113 Ot	wate evel U	ad a reaction to	the ingredients state	d in section !!	5. 5. 5. 5. 6.
Primary Route(s) of entry	i	XIDermal	F	Inhalation	Ingestion	
Emergency and First Aid	Procedures : C	all a physician	_	_		
	Inhalation: R	emove from expos	une to fresh air.	If not breathing give	artificial respira	ion
	Ele couract	riusa immediately	With plenty of v	vate: for at least 15 n	nin-dee	
	Own condict	Kemove containing	zted clothing. V	Vash immediately wi	ih nienty of soe	, and webs
	Ingestion : D:	not Induce vomiti	rg. Keep warm	and quiet.	ni bicità ot ace	A GIRL WALES.
				4-10-1		
		Section VI -	Reactivity Dat	1		
Stability		Unstable	Ιx	Stable		
		<u></u>		1000		
Hazardous Polymerization		May occur	l Ix	Will not occur		
Hazardous Decomposition	Products		cardous fumes	when hested to deco	Mposition	
		Fumes may con:	zin carbon moi	noxide/carbon dioxide	Maitragen avide	
Conditions to avoid		Unknown			" managen oxide	•
Incompatibility (materials	to avoid);	Unknown				
Photochemically reactive s	solvents:	No				
		Section VII -	Spill or Leak F	rocedures		
Steps to be taken in case r	naterial is rele	ssed or spilled: R	emove all sour	ces of ignition (fiame	s, hot surfaces	and sparks)
	Anoid plestill	ig vapors. Ventilati	isca. Remove	With inert absorbent	and non-spark	na tools
Waste Disposal Method:	Puzbose IV #C(soldance with local	, state, and fed	eral regulations.		
	Do not incinen	ate closed contains	rs.	•		
		A 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	<u> </u>	Section VIII -	Safe Handling	and use informatio	n	
Respiratory Protection:	Wear NIDSH :	annroved recoined				
	OSHA requieti	one for reeniment	ioi organic va	pors and paint, laque	r arıd ename! ro	ists, Observe
		ove in reshitatot i	156 48 UPK 191	U.134. If all cases in	oleges road ma :	r of marks a marks
	is effective.	serning to detectiful	the type of air	bome contaminants	against which th	e respirator
Ventifation:			<u> </u>			
	stated limits.	eur mecualicai (de	neral or local E	xhaust) ventilation to	keep TLV and I	EL below
Protective Gloves:			<u>.</u>			
Eye Protection:	Timpervicus gio	ves required for pr	olonged or repe	ated contact,		
	Use safety eye	wear designed to p	rotect against s	splash of liquids.		
Other Protective Equipmen	AAest imbernio	us clothing. Clothi:	g must cover a	ili exposed skin when	spraying in a	enclosed area.
Hygienic Practices:	EAC MARURE BU	salety snowers :	the workplace	is recommended. W	es a hence the r	oughly and
	before eating o	r smoking.				
		Section IX - S	Lacial Bassass			
		Section IX - 8	Precaut	ions		·
recautions to be taken in i	andling and s	loring: Keep conta	iners tightly cic	sed in a cont. dow w	۔ ۔ تعدد المام المام الم	
	from all source	s of ignition, Store	Isrge quantities	in buildings designe	en revinaces a c	e owey
	Protects of 118111	madie or combusti	ble liquids.			
Other Precautions:	Employees mus	st be trained in saf	My maneurae H	st should be teken in	n handling this -	enderat
the appare to the contract of the relities	, to mus broduct	as currently formu	isted and it has	ad an tha latarrasii		
MANUALIS OF LESSINGERS OFFE DELLE	i dudiuves to in	IS DECOUDED IN AV SUB	etantialki altas f			onia.
The Additional of Doc Stc Off	iside of our colf	rol, we make no w	rrenties, expres	s or implied, and see	which no Bakins	
connection with any use of t	his information.				一、一、小、日本代刊下、	throng agrees a second
4 .	-					LV 316 / 32064.4 / 03 / 421



Section I Product identification

Date: 1998-01-05

Page 1 of 2

Emergency Telephone No.:

CHEMTREC - day or night 800-424-9300

SPIES HECKER Inc.

55 Sea Lane - Farmingdale, NY 11735

Occupational Exposure Limits

(516) 777-7100

Product Class:

Polyacrylic resin

Trade Name:

Permasolid VHS Wet on Wet Surfacer 5190

Section !! - Ingredients

Art.-No. 291 5190 2

TSCA INFORMATION: All ingredients in this product are listed on EPA's TSCA Inventory of Chemical Substances.

îngredient				Occupational Exposure Limits		Vapor Pressure		
Eutyl acetate		CAS-N		TLV	PEL	hPa/20°C		
Methoxypropyl acetate		123-86	1/	150 ppm	150 ppm	13.00		
		108-65		п.е.	n.e.	5.30		
	Ethoxypropyl acetate 98516-30 Aromatic hydrocarbons mixture (C ₂ - C ₁₂)		4 1.9	n.e.	n.e.	2.30		
A Grietic Hydrocarbons m	ounte (C				ļ			
4.0.4 Televisia 1.5		64 74 2-9 6-		n.e.	n.e.	3.00		
1.2.4-Trimethyl-Benzene*		95-6 3-	6] /	п.е.	n.e.	n.e.		
Zinc phosphate*		7779-90-	0 7.8	n.e.	n.e.	n.e.		
Silica, Quartz*		14808-60-	7 5.2	0.1 mg/m ³	n.e.	n.e.		
Solvents, total impurities*		proprietar	y 0.7	n.e.	n.e.	n.e.		
Pigments		proprietar	y 55.0	n.e.	n.e.	п.е.		
Filmformers, additives		proprietar	y 17.5	n.e.	n.e.	i i		
		fasting Dr.				n.e.		
Boiling Range .		Section III - F						
Vapor De⊓sity (Air=1)		124 - 178°C >1	Solubility in Water:		moderate			
Evaporation Rate (ether=1	.	70	Vapor pressure:		hPa			
Volatile Volume	,	. –	V.O.C. coating :		lbs/gei	290 g/l		
Specific Gravity (H ₂ O=1)		34%	V.O.C. material:	2.42	lbs/gs!	290 g/l		
Appearance and Odor			HMIS (NFPA) rating (health - fire - reactivity)			1-2-0		
Why suggested and Ocol		liquid, beige, t	ypical	· · · · · · · · · · · · · · · · · · ·				
		Section IV - F	ire and Explosion I	lazard Data	· · · · · ·			
Flammability Classification	on:	OSHA:	Class I C Flash Point: 23°C		23°0	LEL 0.9 Vol %		
•		DOT:	Flammable Liquid		٠,	LEL U.E VO) 70		
		UN-NO.:	1263					
Extinguishing Media:	X	Foam		"Alcohol" Foam	[3	00		
	Œ	Dry Chemical	ī	Water Fog		CO ₂ Other		
Unusual Fire and Explosic	Unusual Fire and Explosion Hazards:			Keep containers tightly closed. Isolate from heat, electrical				
•			equipment, sparks,	and onen fleme (losed contains			
			explode when expo	sed to extreme be	at Do set so-t-	ney		
Special Firefighting Proce	dures:		Water may be used	endiginal constance of	at Do not apply	CT NOT SUMBCES.		
			build-up and possib	e sufoidalita es e	n prevent press	s tre		
			to extreme heat. If y	re subsignition of s	adios:on when e	posed		
			To protect firefighte	s from ear become	oczies ale prefei	TIDIE.		
			products (see Sect.	VI) full protective -	ions cacombogui	חכ		
		=	Including self-contail	ned bresthing and				
Ingredient subject to the reports	ng require:	ments of the Superfu	nd Amandag over-college	ango areannañ sabb	erakus, is recomi	rended.		
contains ingradient which is known	m the State	of Calliania as assess		≠UKKHIZEBON ACI (SA	KA) Section 313, 40	CFR 372.65 C.		

n.z. = not applicable

n.e. = not established

LV 116 / 66055,9 / 06 / 490

^{*} contains ingradient which is known to the State of California to cause cancer and birth defects or other reproductive harm (California Proposition 65)

Date: 1998-01-0	5	SPIES HECKER	GmbH Page 2 of 2	And blackers are a
		Section V - F	lealth Hazard Data	Art. No.291 3190 2
Effects of Overexposure				
checis of Overexposure:		Titation of the respira	atory tract or acute nervous system	depression characterized
		ting progressive step less, or coma.	s headache, dizziness, straggerin	g geit, confusion,
Skin or eye contact:	Primary inita	icas, or come.	ĺ	•
	Entrary Billia Schent venom	metrania	.	
purposely concentrating er	remo pailedai br	mey cause permane	int brain and nervous system dama	ge. Intentional m suse by
Medical Conditions pron	to aggravation	the solvent ABBOLS III	ay be narmful or fatal. not use this product if you have chr	
	problems or	if you have ever had	a reaction to the ingredients state	onic (ong-term) I ing or breathing
Primary Route(s) of entry	7	X Dermai	X Inhalation	d in Section II. Ingestion
Emergency and First Aid	Procedures : C	all a physician		
	inhalation: Re	emove from exposus	e to fresh air. If not breathing give	
	-la contract.	interest summédigiéls M	(III) Dieniv of water for at least 45 —	im dan
	SKIN COUTRO!	Remove contamina	tec clothing. Wash immediately איזיייייייי	h clarity of soon and water
	Ingestion : Da	not induce vomiting	Keep warm and quiet.	r Pienty Cr Soap (nd Water.
		Section VI - R	eactivity Data	
Stabliity		Unstable	X Stable	
Hazardous Polymerization	1	May occur	VIA SU	
Hazardous Decomposition			X Will not occur adous fumes when heated to deco	
		Fumes may conta	is carbon monoxide/carbon dioxide	mposition.
Conditions to avoid	•	Unknown	The state of the s	ı
incompatibility (materials	to avoid):	Unknown		
Photochemically reactive :	solventa:	No		
Steps to be taken in case :	metorial in sales	Section VII - S	pill or Leak Procedures	
	Avoid breathin	sen orsbiled: Kel	nove all sources of ignition (flames,	hot surfaces, and sparks).
Waste Disposal Method:	CANADA PLACERAL	S Asbors' ABUNISTS S	I/62. Kemove with inert absorbant.	and non-sparkir g tools.
	Do not incinera	ate closed container	state, and federal regulations.	
			3. , !	
		Section Vill - S	afe Handling and use Information	
Respiratory Protection:	Wezr NIOSH a	Pproved respirator f	Of Ordanic venors and paint leaver	and annual made of
	An with the first the	na ich tesbitäfül fiëi	9 29 CFR 1910.134 in all capacino	Once sond man days.
	manaceons car	refully to determine	he type of airbome contaminants a	gainst which the respirator
/entilation:	. 13 ENGCUYE.	l.		
	stated limits.	nt mechanical (gen	eral or local exhaust) ventilation to	keep TLV and I EL below
rotective Gloves:	o meet mines.	J.		
ye Protection:	Use safety even	west designed to be	onged or repeated contact. otect against splash of liquids.	
ther Protective Equipmen	Wear imperviou	is clothing. Clothing	must cover all exposed skin when	
lygienic Practices:	Eye washes and	d safety showers in	the workplace is recommended. W	spraying in an enclosed area.
	before eating or	smoking.	TO WORKPIECE IS TECOMBRENDED. W	ssu usuos meraughly and
		Section IX - Spa	cial Precautions	
revaulions to be taken in h	iandling and str	oring: Keep contain	ers tightly closed in a cool, dry, wel	-ventilated are a away
	HOLLI SIL POLICEZ	i or igniton. Store lai	ige quantities in buildings designed	larid protected for
	ere infle or nortill	nable of Combitation	touids.	•
	S to this produc	f as currently for	measures that should be taken in lated and is based on the informat	handling this product.
· · · · · · · · · · · · · · · · · · ·		MAN MAKE WELL IN ME	stantially after the composition an manties, express or implied, and a	d hazards of the product.
connection with any use of	this information		eo: exhicas or illibiled' suq s	
196				1 V 118 / GG055 8 / 0G / 440
		lì.	•	•



Section | Product Identification Date: 1997-12-03

Page 1 of 2

Emergency Telephone No.:

CHEMTREC - day or night 800-424-9300

SPIES HECKER Inc.

55 Sea Lane - Farmingdale, NY 1172 5

(510) 777-7100

Product Class:

Polyacrylic - / Polyester resin

Trade Name:

Permasolid 3:1 VHS Surfacer 5150

Art-No. 291 5150 3

TSCA INFORMATION: All Ingredients in this product are listed on EPA's TSCA Inventory of Chemical Substances.

						ory of Chemical	a ipstances.
		Section II -	Ingr	edients	-		
Ingredient		CAS-N	No. Percent		Occupational Exposure Limits TLV PEL		Vapor Pressure
2 - Butoxyethyl acetate idethoxypropyl acetate Butyl acetate Zinc phosphate* Solvents, total impurities* Pigments Filmformers, additives		112-07- 108-65- 123-86- 7779-90- proprietar proprietar	-6 -4 -0 Ty	1.9 1.5 7.8 7.2 5.9 62.0 17.3	20 ppm n.e. 150 ppm n.e. n.e. n.e.	20 ppm n.e. 150 ppm n.e. n.e. n.e.	0.30 5.30 13.00 n.e. n.e. n.e.
Boiling Range		Section III - F	hys	cal Data			
Vapor Density (Air=1) Evaporation Rate (ether=1) Volatile Volume Specific Gravity (H ₂ O=1) Appearance and Odor		124 - 198°C >1 190 29% 1.79 liquid, beige, t	Va V.0 V.0 HM	ubility in Water: por pressure: p.c. coating: p.c. material: ils (NFPA) ratin	1.20 2.01	moderate) hPe bs/ga bs/ga eactivity)	241 g/l 241 g/l 1 - 2 • 0
Flammability Classification:		Section IV - F	ire a	nd Explosion i	lazerd Data		
Extinguishing Media: Unusual Fire and Explosion	[<u>X</u>]	DOT: UN-NO.; Foam Dry Chemical	Fia 126	םם י	Flash Point "Alcohol" Foam Water Fog	23°C 🔀	LEL 0.9 Vol % CO 2 Other
,		45 :	exp	ipment, sparks, lode when expos	ntly closed, isolat and open flame, and to extreme he	Closed contains	t may
Special Firefighting Procedu			Waito ex To proper	aces, er may be used 1-up and possibl dreme heat. If w rotact firefighter ucts (see Sect.)	to cool container e autoignition or rater is used fog i s from any hazai (1) full protective ned breathing ap	s to prevent pred explication when nozzias are prefe dous decompos	sure exposed rable. tion

^{*} contains ingredient which is known to the State of Colifornia to cause camper and birth defects or other reproductive horm (California Proposition 65)

n.a. = not applicable

n.e. = not established

LV 115 / 66035.3 / 65 / 460

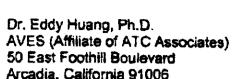
^{*} ingredient subject to the reporting requirements of the Superfund Amendments and Resuthprization Act (SARA) Section 313, 40 CFR 372. 35 C.

Date: 1997-12-0	3	SPIES HECKE	DGmbu	. Done 3	-56		
			- Health Haz	Page 2	8f 2	Art. No. 25	1 5150 3
Effects of Overexposure	·	-	!				
FURCIS OF OVERSKHOPULB		ritation of the resp	retary tract	or acute nervous	system d	epression ch	ırasterized
	-) 1011044	ing progressive st ess, or coma.	eps: headac	he, dizziness, stra	agsering S	jait, confusio:	1,
Skin or eye contact:	Primary irrits				•		
Repeated overexposure to purposely concentrating ar	Solvent vacors of	TRV CRIICA SOCOLO					
Medical Conditions pron	e to aggravatio	n by exposure: D	o pot use th	ition of page), is product if you b		n! = #!n = 4	
		if you have ever h	ad a reactio	in to the in-redien	reactors	nis (long-tern) loud of plessible
Primary Route(s) of entry	, ·			Xinhalation	rz emited i		
Emergency and First Aid	Procedures : C	all a physician		[Maialacovi)	<u> </u>	Ingestion	
•	inhalation: Re	emove from expos	ure to fresh	air. If not breathing	no cive se	hidialat assatis.	Lt.
	che competi i	LINSIS REGISTED STORY	/ With blanty	Of water for at les	act 15 min	e chan	
•	OVIII COLITECT	Kemove contamil	nated clothir	io. Wash immedi:	ately with	niesty of oas	
	Ingestion : Do	not induce vemit	ing. Keep w	arm and quiet.	ALUIY WILLI	hienta or sos	and Water.
			<u> </u>				
		Section VI -	Reactivity	Data			
Stability		Unstable		XStable			
Hazardous Polymerization	2						
Hazardous Decomposition	Droducte	May occur	i	X Will not occu	11		
	. 110000	Fumos may a	zerdous fun	nes when heated t	to decomp	ostion.	
Conditions to avoid		Unknown	וופמופט תופוו	monoxide/carbon	dioxide		
Incompatibility (materials	to avoid:	Unknown					
Photochemically reactive	solvents:	No					
		140					
		Section VII -	Spill or Le	k Procedures			
A						 -	
Steps to be taken in case (material is relea	sed or spilled: F	Remove ali s	ources of ignition	/flames /	hat surfaces	
	A MANAGE OF CERTIFIED	S ACROIS. ACTIMIST	e zres. Kom	OVA WITH IRAC She		i i non soast ii	e:iri əbalka).
Waste Disposal Method:		ALABITAE MITU 1009	III state, and	federal regulation	16	is mon-spelf ii	ig look.
•	Do not incinera	te closed contain	ers.				
							
		Section VIII -	Safe Hand	ing and use info	rmation		
Respiratory Protection:	Wear NIOSH a	hhimiad receives					
	OSHA requistic	pproved respirato	TOLOGRUE	vapors and paint	i, lequer s	nd enamel n	ists, Observe
	instructions cer	ons for respirator (e the time of	1910,7\$4. n a g	ases, pie:	ase read mun	nįscintet, š
	is effective,	efully to determin	uie type on	airoome contam	inents ago	inst which th	e respirator
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APPENDIX C

LETTERS FROM NATIONAL PAINT & COATINGS ASSOCIATION AND DUPONT

March 1, 2000





Dear Eddy:

As I informed your colleague Mr. Saunders previously, the members of the NPCA Automotive Refinish Coalition believe that the advanced lower VOC coatings that are currently being marketed in the South Coast Air Quality Air Management District (SCAQMD) should be reviewed by your study for potential future developments of coatings technology.

On going research and development efforts of the Individual coatings companies is highly proprietary information. The companies do not feel comfortable providing it for your study. While they recognize that the information would be treated as confidential business information, they nonetheless remain concerned that, despite your best efforts or those of CARB, the information may nonetheless become public in some way. More fundamentally, however, there is a bigger concern. The information might be misleading. Current R&D efforts are no guarantee of what future coatings technology will be. Also the general trends in coatings technology developments in this area are adequately discussed in the literature.

One last note. In doing your study you should keep in mind that not all of the shops in existence today will be able to use the more advanced lower VOC automotive refinish coatings systems. In general the trend toward lower VOC coatings, irrespective of whether they are high solids solventborne systems or waterborne systems, will mean that adjustments of the coating to meet substrate and application conditions will not be feasible through adjustment of the amount of solvent in the coating. To meet these varying conditions, the shops will have to be comparatively more sophisticated in their equipment and configuration, e.g., drying equipment, enclosed drying booths.

Please let me know if I can be of further assistance.

Sincerely.

Senior Counsel





DUPONT PERFORMANCE COATINGS

Operations
Safety, Health and Environmental

March 7, 2000

Dr. Eddy Huang, Ph.D. AVES (Affiliate of ATC Associates) 50 East Foothill Boulevard Arcadia, California 91006

Dear Eddy:

As I informed you in our phone conversation yesterday, DuPont is not prepared to offer R&D coatings candidates for your planned study. What we can do is to identify the lowest VOC containing products that DuPont offers commercially to the refinish industry. The best example of these can be found in the VOC COMPLIANCE CHART for the SCAQMD; a copy of the chart is attached for your inspection.

You can purchase selected samples for your study from nearby jobber locations given below. I have tried to identify the closest locations based on your above address.

- 1. D'Angelo & Sons, 1260 S. Central Ave., Glendale, Ca (818-244-7246)
- El Monte Auto Paint, 3435 N. Tyler Ave., Box 4309, El Monte, Ca 91731 (626-401-3598)
- 3. Finishmaster, 2591 E. Foothill Blvd , Pasadena, Ca 91107 (626-795-4319)

The jobbers also have Product Data Sheets and other useful user information that could be of help in your study. They could also be a good source of some local body shop locations that could provide direct effects on coatings based on the shop's equipment use and configuration.

Please let me know if I can be of further assistance.

Sincerely,

Karl R. Schultz

Environmental Consultant